

Expert Synthesis Solutions 700 Collip Circle London, ON N6G4X8 647-407-9078 | info@esschemco.com www.esschemco.com

SECTION 1: PRODUCT IDENTIFICATION

Product Name:	24-Nor Ursodeoxycholic Acid-D4 (major)
Catalog No.:	ESS0481
Product Use:	For laboratory research purposes

SECTION 2: HAZARDS IDENTIFICATION

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WHMIS Classification:	Not WHMIS controlled.		
GHS Label elements			
Pictogram:	None		
Signal word:	Warning		
Hazard statement:	H303: May be harmful if swallowed.		
Precautionary statement:			
Response statements:	None		
HMIS Classification			
Health Hazard:	0		
Chronic Health Hazard:	No data available.		
Flammability:			
	0		
Physical Hazards:			
Potential Health Effects	May be harmful in case of inhalation. May cause respiratory tract irritation.		
Inhalation:			
Skin:	May be harmful if absorbed through skin. May cause skin irritation.		
Eyes:	May cause eye irritation.		
Ingestion:	May be harmful if swallowed.		
Other hazards:	No data available.		
	/ INFORMATION ON INGREDIENTS		
Synonyms: (3a,	,5β,7β)-3,7-Dihydroxy-24-norcholan-23-oic Acid-d4; 3α,7β-Dihydroxy-24-nor-5β-cholan-23-oic Acid-d4; Norursodeoxycholic Acid-d4		
Formula: C ₂₃ +	H34D4O4		
Molecular Weight: 382			
	97-24-2 (unlabelled)		
SECTION 4: FIRST AID MEAS	SURES		
	Consult a physician. Show this SDS. Move out of dangerous area.		
	Allow the victim to rest in a well-ventilated area. Seek immediate medical attention.		
	After contact with skin, wash immediately with plenty of water. Gently and thoroughly wash the contaminated skin with running water and		
	non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cold water may be used. Cover the irritated skin		
	with an emollient. If irritation persists, seek medical attention. Wash contaminated clothing before reusing.		
	Check for and remove any contact lenses. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. Cold		
	water may be used. Do not use an eye ointment. Seek medical attention.		
If swallowed:	Do not induce vomiting. Rinse mouth with water. Examine the lips and mouth to ascertain whether the tissues are damaged, a possible		
	indication that the toxic material was ingested; the absence of such signs, however, is not conclusive. Loosen tight clothing such as a		
	collar, tie, belt or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.		
SECTION 5: FIRE FIGHTING			
Suitable extinguishing med			
Special protective equipme	ent for firefighters: Wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent) and full		
	protective gear. During a fire, toxic gases may be generated by thermal decomposition or combustion.		
Hazardous combustion pro			
Explosion data:	No data available.		
SECTION 6: ACCIDENTAL R			
Personal precautions:	Use proper personal protective equipment as indicated in section 8.		
Environmental precautions	clean up spills immediately, observing precautions in the Protective Equipment section. Do not let		
	product enter drains.		
Methods and materials for	containment and cleaning up: Sweep up, and then place into a suitable container for disposal.		
	SECTION 7: HANDLING AND STORAGE		
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Precautions for safe handli	ing: Keep away from heat. Keep away from sources of ignition. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation where dust is formed. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.		
	 keep away from heat. Keep away from sources of ignition. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation where dust is formed. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. keep container tightly closed in a dry and well ventilated place. Ground all equipment containing material. Recommended long 		
Precautions for safe handli	ing: Keep away from heat. Keep away from sources of ignition. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation where dust is formed. Ground all equipment containing material. Do not ingest. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes.		

Expert Synthesis Solutions 700 Collip Circle SAFETY DATA SHEET London, ON N6G4X8 Version: 2 647-407-9078 | info@esschemco.com Revision Date: 05/04/22 www.esschemco.com SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. Personal protective equipment Wear a NIOSH/MSHA or European Standard EN 149 approved full-facepiece airline respirator in the positive pressure mode Respiratory protection: with emergency escape provisions. Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer Hand protection: surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Wear safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under Eye protection: appropriate government standards such as NIOSH (US) or EN166 (EU). Wear appropriate gloves and clothing to prevent skin exposure. Skin and body protection: Handle in accordance with good industrial hygiene and safety practice. Wash hands before break and after the end of work day. Hygiene measures:

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

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Appearance	White solid
Odour:	No data available.
Odour threshold:	No data available.
pH:	No data available.
Melting point/Freezing point:	No data available.
Initial boiling point/boiling range:	No data available.
Flash point:	No data available.
Evaporation rate:	No data available.
Flammability (solid; gas):	No data available.
Lower flammable/explosive limit:	No data available.
Upper flammable/explosive limit:	No data available.
Vapour pressure:	No data available.
Vapour density:	No data available.
Solubility:	DMSO, Methanol, THF
Partition coefficient – n-octanol/water:	No data available.
Autoignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.
Other safety information:	No data available.
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SECTION 10: STABILITY & REACTIVITY

Chemical stability:	Stable under recommended storage conditions.
Conditions to avoid:	Not available.
Possibility of hazardous reactions:	No data available.
Incompatibilities:	Strong oxidizing agents.
Hazardous decompositions products:	Hazardous decomposition products formed under fire conditions: carbon oxides (CO, CO ₂).

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:	No data available.	
Potential health effects:		
Inhalation:	May be harmful in case of inhalation. May cause respiratory tract irritation.	
Skin:	May be harmful if absorbed through skin. May cause skin irritation.	
Eyes:	May cause eye irritation.	
Ingestion:	May be harmful if swallowed.	
Signs and symptoms of exposure:	To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.	

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:	No data available.
Persistence and degradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Other adverse effects:	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

SECTION 13: DISPOSAL CONSIDERATION

Product:

Dispose in a manner consistent with federal, state, and local regulations. Contaminated packaging: Dispose of as unused product.



TDG (Canada):

DOT (US):

UN number:

Packing group:

UN proper shipping name:

Transport hazard class:

Special precautions:

IMDG:

IATA:

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700 Collip Circle London, ON N6G4X8 647-407-9078 | <u>info@esschemco.com</u> www.esschemco.com Not dangerous goods. Not available.

Not dangerous goods.

Ship at room temperature.

Not available.

24-Nor Ursodeoxycholic Acid-D4 (major), organic compound, solid.

SECTION 15: REGULATORY INFORMATION

General:	Not WHMIS controlled.
DSL/NDSL (Canada):	This product is not listed on the Canadian DSL/NDSL.
TSCA (US):	This product is not listed on the US EPA TSCA.
ECHA (EU):	This product is not listed on the EU ECHA.

SECTION 16: OTHER INFORMATION

Further Information

The above information is believed to be correct but does not purport to be all-inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regards to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Expert Synthesis Solutions shall not be held liable for any damage resulting from handling or from contact with the above product.