

4-METHYLUMBELLIFERYL-6-THIO-β-D-GLUCOSEIDE-¹³C₄

1. IDENTIFICATION OF SUBSTANCE/PREPARATION AND THE COMPANY UNDERTAKING

Chemical Name:	4-Methylumbellife	eryl-6-thio- β -D-glucoside- ¹³ C ₄
Product Code:	HA12A	
Synonyms:	-	
Recommended uses:	For R&D use only. Not for human or veterinary use.	
Supplier:	GelbChem, LLC.	4000 Mason Road, Suite 300, Seattle, WA-98195.
Emergency contact numbers:	Telephone:	+1 206 717 3515.
Email address:	contact@gelbchem.com	

2. HAZARDS IDENTIFICATION

Classification:

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008 or GHS. Not a hazardous substance or mixture according to EC-Directives 67/548/EEC or 1999/45/EC.

Labelling and precautionary statements:

The product does not need to be labeled in accordance with EC directives or respective national laws.

Hazard statement(s):	-	Not required.
Precautionary stateme	ent(s): -	Not required.
Hazard symbol(s):	-	Not required.
R-phrase(s):	-	Not required.
S-phrase(s):	-	Not required.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Molecular Formula:	$C_{12}{}^{13}C_4H_{18}O_7S$	
Molecular weight:	358.35	



$\label{eq:4-METHYLUMBELLIFERYL-6-THIO-β-D-GLUCOSEIDE-$^{13}C_4$}$

4. FIRST AID MEASURES

Eye contact:	Immediately flush eye with copious amounts of water for at
	least 15 minutes. Get medical aid immediately.
Skin contact:	Get medical aid. Immediately wash skin with soap and
	copious amounts of water. Wash contaminated clothing
	before reuse.
Inhalation:	Remove to fresh air. If not breathing give artificial
	respiration. If breathing is difficult give oxygen. Get medical
	aid.
Ingestion:	Wash out mouth with water provided person is conscious.
-	Call a physician.
Notes to Physician:	Treat symptomatically and supportively.

5. FIRE-FIGHTING MEASURES

Personal precautions:	As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or
Extinguishing media:	equivalent), and full protective gear. In case of fire use water spray, dry chemical, carbon dioxide, or alcohol-resistant foam.

6. ACCIDENTAL RELEASE MEASURES

General Information:	Use proper personal protective equipment as indicated in
	Section 8.
Personal precautions:	Wear self-contained breathing apparatus, eye protection
	and gloves. Keep personal hygiene. Avoid dust formation.
Environmental precautions:	Do not let product enter the drains.
Spills/Leaks:	Sweep up and place the material in appropriate container
	for disposal. Ventilate area, clean up spills and wash spill
	site after material pickup is complete, observing
	precautions in the Protective Equipment section.

7. HANDLING AND STORAGE

Handling:	Wash thoroughly after handling. Remove contaminate
C	clothing and wash before reuse. Use with adequate
	ventilation. Avoid contact with eyes, skin, and clothing
	Keep container tightly closed. Avoid ingestion and
	inhalation.



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Storage:

Store in a cool, dry, well-ventilated area. Keep container tightly closed. Freeze. Keep cold. Store at -20°C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Contains no substances with occupational exposure limit values.

Personal protection equipment:	
Eye protection:	Wear appropriate protective eyeglasses, chemical safety
	goggles or face-shield (min. 8-inch) as described by
	OSHA's eye and face protection regulations.
Skin protection:	Wear appropriate protective gloves to prevent skin
	exposure, as defined in EU Directive 89/686/EEC and the
	standard EN 374 derived from it.
Body protection:	Appropriate protective clothing, overalls.
Respiratory protection:	Where risk assessment indicates air-purifying respirators
	are required use a dust mask type N95 (US) or type P1
	(EN 143) respirator. For higher level protection use type
	OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator
	cartridges. Respirators and components must tested and
	approved under appropriate government standards -
	NIOSH (US) or CEN (EU).
Hygiene measures:	Use good working practices. Wash hands and face
	thoroughly after handling.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Odour:	White to off-white solid. Data not available/does not apply.
Odour threshold:	Data not available/does not apply.
pH:	Data not available/does not apply.
Melting point:	Data not available/does not apply.
Boiling point:	Data not available/does not apply.
Flash point:	Data not available/does not apply.
Evaporation rate:	Data not available/does not apply.
Flammability:	Data not available/does not apply.
Flammability or explosive limits:	Data not available/does not apply.
Vapor pressure:	Data not available/does not apply.
Vapor density:	Data not available/does not apply.
Density:	Data not available/does not apply.
Solubility:	Data not available/does not apply.
Partition coefficient: n-octanol/water	Data not available/does not apply.
Auto-ignition temperature:	Data not available/does not apply.
Decomposition temperature:	Data not available/does not apply.
Viscosity:	Data not available/does not apply.



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10. STABILITY AND REACTIVITY

Chemical stability: Conditions to avoid: Incompatibilities with other materials: Hazardous decomposition products: Hazardous polymerization: Stable under recommended storage conditions. Data not available. Strong oxidizing agents. Carbon oxide, sulfur oxides. Data not available.

11. TOXICOLOGICAL INFORMATION

RTCS #:	Data not available.	
Acute toxicity:	Data not available.	
Skin corrosion/irritation:	Data not available.	
Serious eye damage/eye irritation:	Data not available.	
Respiratory or skin sensitization:	Data not available.	
Germ cell mutagenicity:	Data not available.	
Carcinogenicity: IARC:	To the best of our knowledge, this compound has not been identified as possible or potential human carcinogen by IARC.	
Reproductive toxicity:	Data not available.	
Specific target organ toxicity - single exposure: Data not available.		
Specific target organ toxicity - repeated exposure: Data not available.		
Aspiration hazard:	Data not available.	
Signs and symptoms of exposure:	To the best of our knowledge, the chemical, physical and toxicological properties have not been thoroughly investigated.	
Potential health effects: Eye: Skin: Ingestion:	May cause eye irritation. May be harmful by skin absorption. May cause skin irritation. May be harmful if swallowed.	



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Inhalation:

Chronic:

May be harmful if inhaled. May cause respiratory tract irritation. No information found.

12. ECOLOGICAL INFORMATION

Data not available.

13. DISPOSAL CONSIDERATIONS

Dispose of in a manner consistent with federal, state, and local regulations. Contact a licensed professional waste disposal service to dispose of this material.

14. TRANSPORT INFORMATION

ADR/RID

Not classified as hazardous for transport.

IMDG

Not classified as hazardous for transport.

IATA

Not classified as hazardous for transport.

15. **REGULATORY INFORMATION**

This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

16. ADDITIONAL INFORMATION

Further information on PPE: European Standard & performance category markings:

EN143 -EN374 - Particulates filter. Protects hands against chemicals and/or microorganisms.



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Gas & vapour protection:	А	Organic vapours
	В	Inorganic vapours
	Е	Acid gases
	Κ	Ammonia and its derivatives

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.