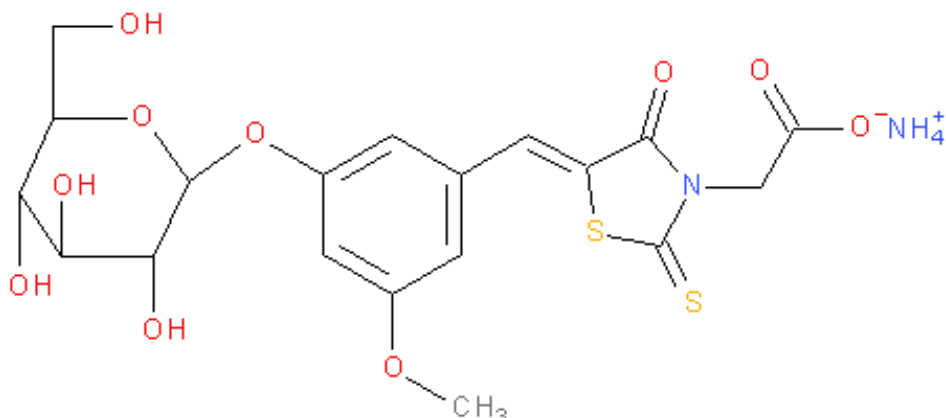


MATERIAL SAFETY DATA SHEET

VRA-glucoside



1. CHEMICAL IDENTIFICATION

Product Code: 1060

Product name: Ammonium-5-[4-(β-D-glucopyranosyloxy)-3-methoxymethylene]-2-thioxothiazolidin-4-one-3-acetate.

IUPAC Name: ammonium 2-[(5Z)-5-[[3-methoxy-5-[3,4,5-trihydroxy-6-(hydroxymethyl)tetrahydropyran-2-yl]oxy-phenyl]methylene]-4-oxo-2-thioxo-thiazolidin-3-yl]acetate.

Synonym: VQM-glucoside

Supplier: Helier Scientific Ltd, SWT Institute for Renal Research, Wrythe Lane, Carshalton, Surrey, SM5 1AA, UK

2. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient name: Ammonium-5-[4-(β-D-glucopyranosyloxy)-3-methoxymethylene]-2-thioxothiazolidin-4-one-3-acetate.

Formula : C₁₉H₂₀NO₁₀S₂.H₄N

CAS number: None

EEC number: None

3. HAZARD IDENTIFICATION

Data not available

4. FIRST AID MEASURES

Eyes: Flush with clean water until contaminant is removed.

Skin: Wash with water, then soap and water.

Ingestion: Wash out mouth with water provided the person is conscious.

Inhalation: Remove to fresh air.

If problem occurs seek medical help.

5. FIRE FIGHTING MEASURES

Use dry powder, carbon dioxide, foam or water extinguishers. No special fire hazard in normal use. Possible hazardous combustion / decomposition products may be formed under fire conditions.

6. ACCIDENTAL RELEASE METHODS

Personal precautions: Wear suitable eye protection, a dust mask and gloves.

Methods for cleaning up: Sweep up and keep in a closed container for disposal. Clean the affected area with hot water.

7. HANDLING AND STORAGE

Handling: 1) Avoid contact with eyes and skin.
2) Avoid inhalation of dust.

Storage: To prevent deterioration, the product should be stored in tightly closed dark bottles/containers, in a freezer at -20°C or cold-room at 4 – 8°C. The product may deteriorate if exposed to light and oxygen for prolonged periods.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Control measures: Use in a fume cupboard or under Local Exhaust Ventilation.

Respiratory precautions: Suitable dust mask.

Hand precautions: Rubber gloves.

Eye protection: Safety glasses or goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid: Bright yellow powder.

10. STABILITY AND REACTIVITY

Stability: Slowly decomposes in the presence of air.

Materials to avoid: Strong oxidising agents (e.g. fuming nitric acid).

11. TOXICOLOGICAL INFORMATION

No data yet available.

12. ECOLOGICAL INFORMATION

No data yet available.

13. DISPOSAL CONSIDERATION

Dispose according to local regulations or by incineration.

14. TRANSPORTATION INFORMATION

No special precautions.

15. REGULARITY INFORMATION

Risk phrases: Caution- Substance not yet fully tested.
Safety phrases: Do not breathe dust. Avoid contact with skin and eyes.
EINECS number: None.
TSCA listed: No.

16. OTHER INFORMATION

The above information is believed to be correct, but we cannot accept liability for any loss, injury for damage which may result from its use. The information given in the Data sheet does not constitute the user's own assessment of workplace risk as required by the Health and Safety legislation currently in force. All chemicals should be handled only by competent personnel within a suitably controlled environment.