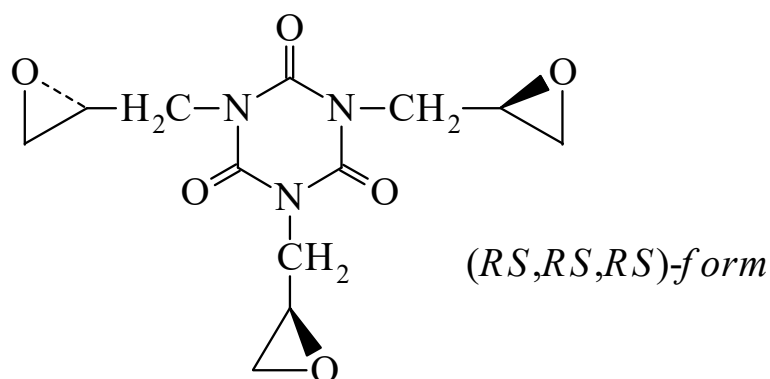




>>Entry Name: Teroxirone, INN, USAN

Synonym(s): 1,3,5-Tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1*H*,3*H*,5*H*)-trione. 1,3,5-Tris(2,3-epoxypropyl)-*s*-triazine-2,4,6(1*H*,3*H*,5*H*)-trione. α -Triglycidyl isocyanurate. NSC 296934



CAS Registry Number: 2451-62-9

Molecular Formula: C₁₂H₁₅N₃O₆

Molecular Weight: 297.267

Accurate Mass: 297.096087

Percentage Composition: C 48.49%; H 5.09%; N 14.14%; O 32.29%

Use/Importance: Antineoplastic agent

Development Status: Never marketed

Hazard & Toxicity: LD₅₀ (mus, ipr) 111 mg/kg. LD₅₀ (mus, ivn) 145 mg/kg

Aldrich: 37950-6

>>Variant: (*RS,RS,RS*)-form

Synonym(s): α -TGT

CAS Registry Number: 59653-74-6

Molecular Formula: C₁₂H₁₅N₃O₆

Molecular Weight: 297.267

Accurate Mass: 297.096087

Percentage Composition: C 48.49%; H 5.09%; N 14.14%; O 32.29%

Physical Description: Cryst. (MeOH)

Melting Point: Mp 103-104.5° (99.1-99.8°)

Other Data: More pharmacol. active isomer

>>Variant: (*RS,RS,SR*)-form

Synonym(s): β -TGT

CAS Registry Number: 59653-73-5

Molecular Formula: C₁₂H₁₅N₃O₆

Molecular Weight: 297.267

Accurate Mass: 297.096087

Percentage Composition: C 48.49%; H 5.09%; N 14.14%; O 32.29%

Physical Description: Cryst. (2-methoxyethanol)

Melting Point: Mp 156-157.5° (153.6-154.1°)

References:

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Ames, M.M. *et al.*, *Cancer Res.*, 1984, **44**, 4151, (*pharmacol*)
Atassi, G. *et al.*, *Cancer Treat. Rep.*, 1984, **11**, 99, (*pharmacol*)
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SaFyanov, Y.N. *et al.*, *Zh. Strukt. Khim.*, 1987, **28**, 168, (*cryst struct*)
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