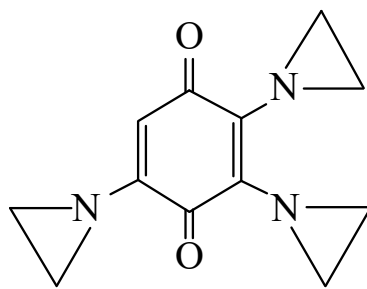




>>Entry Name: Tri-1-aziridinyl-1,4-benzoquinone

Synonym(s): 2,3,5-Tris(1-aziridinyl)-2,5-cyclohexadiene-1,4-dione, 9CI. **Triaziquone**, BAN, INN. Triaziquinone. Oncoredox. Trenimon. A 163. Bayer 3231. NSC 29215. Riker 601. RP 10257



CAS Registry Number: 68-76-8

Molecular Formula: C₁₂H₁₃N₃O₂

Molecular Weight: 231.254

Accurate Mass: 231.100777

Percentage Composition: C 62.33%; H 5.67%; N 18.17%; O 13.84%

Use/Importance: Antineoplastic agent, can cross blood-brain barrier

Physical Description: Purple cryst. (EtOAc)

Development Status: No longer marketed

Melting Point: Mp 162.5-163°

Calculated Log P Data: Log P -0.2 (uncertain value) (calc)

Hazard & Toxicity: LD₅₀ (rat, ipr) 0.5 mg/kg. Exp. carcinogen and teratogen

References:

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Obe, G. *et al.*, *Mutat. Res.*, 1979, **65**, 21, (*rev*)

Martindale, The Extra Pharmacopoeia, 28th/29th edn., *Pharmaceutical Press*, 1982, 1873

Silva, J.M. *et al.*, *Cancer Res.*, 1992, **52**, 3015, (*tox*)

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