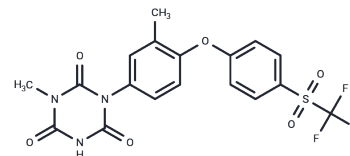


Toltrazuril (sulfone)

Chemical Properties

CAS No. :	69004-04-2
Formula:	C ₁₈ H ₁₄ F ₃ N ₃ O ₆ S
Molecular Weight:	457.38
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Toltrazuril sulfone (Ponazuril) is an antiprotozoal agent that acts upon Coccidia parasites.
Targets(IC50)	Parasite
In vivo	Afloqualone slightly increased the response during the alarm period in one out of 3 rats at 5, 10, and 20 mg/kg p.o., respectively.

Solubility Information

Solubility	DMSO: 33 mg/mL (72.15 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1864 mL	10.9318 mL	21.8637 mL
5 mM	0.4373 mL	2.1864 mL	4.3727 mL
10 mM	0.2186 mL	1.0932 mL	2.1864 mL
50 mM	0.0437 mL	0.2186 mL	0.4373 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Kaduk J A, Gates-Rector S, Blanton T N. Crystal structure of ponazuril, C₁₈H₁₄F₃N₃O₆S. Powder Diffraction. 2022: 1-5.

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