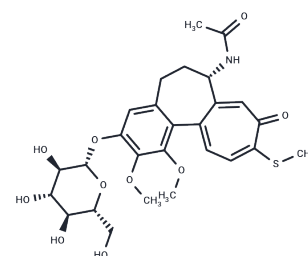


Thiocolchicoside

Chemical Properties

CAS No. :	602-41-5
Formula:	C ₂₇ H ₃₃ NO ₁₀ S
Molecular Weight:	563.62
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Thiocolchicoside (Thiocolchicine 2-glucoside analog) (Muscoril, Myoril, Neoflax) is a muscle relaxant with anti-inflammatory and analgesic effects. It acts as a competitive GABAA receptor antagonist and also glycine receptor antagonist with similar potency and nicotinic acetylcholine receptors to a much lesser extent. It has powerful convulsant activity and should not be used in seizure-prone individuals.
Targets(IC50)	Others,GABA Receptor

Solubility Information

Solubility	H ₂ O: 177.4 mM, DMSO: 55 mg/mL (97.58 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7742 mL	8.8712 mL	17.7425 mL
5 mM	0.3548 mL	1.7742 mL	3.5485 mL
10 mM	0.1774 mL	0.8871 mL	1.7742 mL
50 mM	0.0355 mL	0.1774 mL	0.3548 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

Ketenci A, et al. The journal of the Turkish Society of Algology, 2009, 21(3):95-103.

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