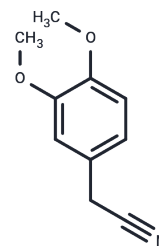


Homoveratronicitrile

Chemical Properties

CAS No. :	93-17-4
Formula:	C ₁₀ H ₁₁ NO ₂
Molecular Weight:	177.2
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Homoveratronicitrile is an impurity of Verapamil. It is also an intermediate in the preparation of the muscle relaxant Papverine.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 60 mg/mL (338.6 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6433 mL	28.2167 mL	56.4334 mL
5 mM	1.1287 mL	5.6433 mL	11.2867 mL
10 mM	0.5643 mL	2.8217 mL	5.6433 mL
50 mM	0.1129 mL	0.5643 mL	1.1287 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Grodetskaia NS, et al. Gig Tr Prof Zabol. 1982 Feb;(2):55.

Lacroix PM, et al. High-performance liquid chromatographic method for the assay of verapamil hydrochloride and related compounds in raw material. J Pharm Biomed Anal. 1991;9(10-12):817-22.

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