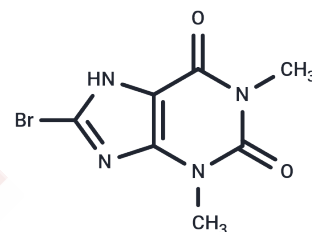


8-Bromotheophylline

Chemical Properties

CAS No. :	10381-75-6
Formula:	C7H7BrN4O2
Molecular Weight:	259.06
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	8-Bromotheophylline (Bromotheophylline) is the active moiety of pamabrom, a mixture of 2-amino-2-methyl-propanol and bromotheophylline. From this mixture, 8-Bromotheophylline acts as a weak diuretic that has been used along with some analgesics to relieve the symptoms of premenstrual syndrome
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 25 mg/mL (96.5 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	3.8601 mL	19.3005 mL	38.6011 mL
5 mM	0.772 mL	3.8601 mL	7.7202 mL
10 mM	0.386 mL	1.9301 mL	3.8601 mL
50 mM	0.0772 mL	0.386 mL	0.772 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

Samura B A . [Effect of imidazo(1,2-f)xanthine derivatives on cerebral cortical bioelectrical activity and evoked potentials]]]. Farmakologija i toksikologija, 1983, 46(1):17-20.

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