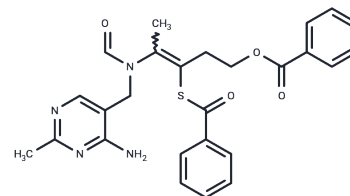


Dibenzoyl Thiamine

Chemical Properties

CAS No. :	299-88-7
Formula:	C ₂₆ H ₂₆ N ₄ O ₄ S
Molecular Weight:	490.57
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Dibenzoyl Thiamine (Bentiamine), a lipophilic derivative of vitamin B (thiamine), is a kind of food additive
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 98 mg/mL (199.76 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0384 mL	10.1922 mL	20.3845 mL
5 mM	0.4077 mL	2.0384 mL	4.0769 mL
10 mM	0.2038 mL	1.0192 mL	2.0384 mL
50 mM	0.0408 mL	0.2038 mL	0.4077 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

Heywood R, Wood JD, Majeed SK. Tumorigenic and toxic effect of O,S-dibenzoyl thiamine hydrochloride in prolonged dietary administration to rats. Toxicol Lett. 1985 Jul;26(1):53-8

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