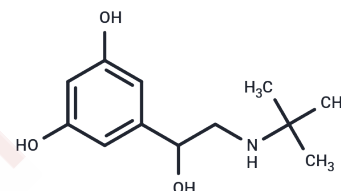


Terbutaline

Chemical Properties

CAS No. :	23031-25-6
Formula:	C ₁₂ H ₁₉ NO ₃
Molecular Weight:	225.3
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	Terbutaline is a short-acting agonist of β 2-adrenergic receptor (β 2-AR) . It is an active metabolite of bambuterol
Targets(IC50)	Adrenergic Receptor,Antibiotic

Solubility Information

Solubility	DMSO: 10 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	4.4385 mL	22.1926 mL	44.3853 mL
5 mM	0.8877 mL	4.4385 mL	8.8771 mL
10 mM	0.4439 mL	2.2193 mL	4.4385 mL
50 mM	0.0888 mL	0.4439 mL	0.8877 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

- Nanna, Krogh, Sebastian, et al. Terbutaline Accumulates in Blood and Urine after Daily Therapeutic Inhalation.[J]. Medicine & Science in Sports & Exercise, 2017.
- Gaudet L M , Singh K , Weeks L , et al. Effectiveness of Terbutaline Pump for the Prevention of Preterm Birth. A Systematic Review and Meta-Analysis[J]. Plos One, 2012, 7.

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