

Xamoterol

Chemical Properties

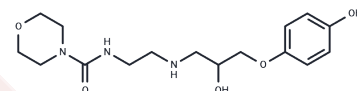
CAS No. : 81801-12-9

Formula: C₁₆H₂₅N₃O₅

Molecular Weight: 339.39

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	Xamoterol is a cardiac stimulant.
Targets(IC50)	Others,Adrenergic Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9465 mL	14.7323 mL	29.4646 mL
5 mM	0.5893 mL	2.9465 mL	5.8929 mL
10 mM	0.2946 mL	1.4732 mL	2.9465 mL
50 mM	0.0589 mL	0.2946 mL	0.5893 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

- Nasehi M, Shahbazzadeh S, Ebrahimi-Ghiri M, Zarrindast MR. Bidirectional influence of amygdala $\beta(1)$ -adrenoceptors blockade on cannabinoid signaling in contextual and auditory fear memory. *J Psychopharmacol*. 2018 Mar 1;269881118760654. doi: 10.1177/0269881118760654. [Epub ahead of print] PubMed PMID: 29580129.
- Ardestani PM, Evans AK, Yi B, Nguyen T, Coutellier L, Shamloo M. Modulation of neuroinflammation and pathology in the 5XFAD mouse model of Alzheimer's disease using a biased and selective beta-1 adrenergic receptor partial agonist. *Neuropharmacology*. 2017 Apr;116:371-386. doi: 10.1016/j.neuropharm.2017.01.010. Epub 2017 Jan 13. PubMed PMID: 28089846; PubMed Central PMCID: PMC5385159.
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- Torkaman-Boutorabi A, Hashemi-Hezaveh SM, Sheidadoust H, Zarrindast MR. The possible role of medial prefrontal cortex beta-1-adrenoceptors in morphine-induced amnesia. *Pharmacology*. 2014;93(5-6):272-7. doi: 10.1159/000362282. Epub 2014 Aug 5. PubMed PMID: 25096537.

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