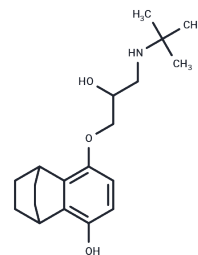


Nafetolol

Chemical Properties

CAS No. :	42050-23-7
Formula:	C ₁₉ H ₂₉ N _O 3
Molecular Weight:	319.44
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	Nafetolol (K 5407) exhibits selective efficacy on cardiac (β 1)-adrenergic receptors and serves as an orally active beta-blocker, demonstrating a half-life of approximately 2 hours in canine models.
Targets(IC50)	Others, Adrenergic Receptor

Solubility Information

Solubility	DMSO: 45 mg/mL (140.87 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	3.1305 mL	15.6524 mL	31.3048 mL
5 mM	0.6261 mL	3.1305 mL	6.261 mL
10 mM	0.313 mL	1.5652 mL	3.1305 mL
50 mM	0.0626 mL	0.313 mL	0.6261 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

Goldaniga G, et al. Pharmacokinetics and metabolism of a new beta-adrenergic blocking agent, the 1, ter-butyl-amino-3-(1,2,3,4-tetrahydro-1,4-ethano-8-hydroxy-5-naphthoxy)-2-propanol (K 5407). Eur J Drug Metab Pharmacokinet. 1980;5(1):9-20.

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