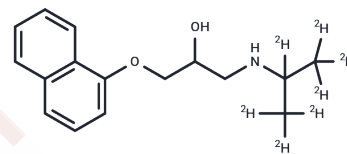


rac-Propranolol-D7

Chemical Properties

CAS No. :	98897-23-5
Formula:	C ₁₆ H ₁₄ D ₇ NO ₂
Molecular Weight:	266.39
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	rac-Propranolol-D7 is a 2H-labeled Rac-Propranolol. Propranolol (TPL0294) is an effective β -adrenergic receptor (β AR) antagonist that inhibits β 1AR and β 2AR, used in cardiovascular and metabolic disease research.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	DMSO: 80 mg/mL (300.31 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	3.7539 mL	18.7695 mL	37.5389 mL
5 mM	0.7508 mL	3.7539 mL	7.5078 mL
10 mM	0.3754 mL	1.8769 mL	3.7539 mL
50 mM	0.0751 mL	0.3754 mL	0.7508 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

- Toet AE, et al. Toxic doses of rac-, (-)-(S)- and (+)-(R)-propranolol in rats and rabbits. *Chirality*. 1996;8(6):411-7.
- Vermeulen AM, Belpaire FM, Moerman E, de Smet F, Bogaert MG. The influence of aging on the stereoselective pharmacokinetics of propranolol in the rat. *Chirality*. 1992;4(2):73-9.

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