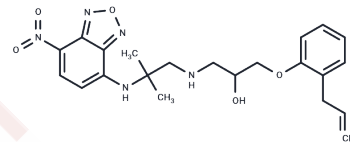


Alprenolol-nbd

Chemical Properties

CAS No. :	98496-22-1
Formula:	C22H27N5O5
Molecular Weight:	441.488
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	Alprenolol-nbd is a fluorescent beta-adrenoceptor probe that binds irreversibly to beta-adrenoceptors and non-receptor binding sites.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2651 mL	11.3253 mL	22.6506 mL
5 mM	0.453 mL	2.2651 mL	4.5301 mL
10 mM	0.2265 mL	1.1325 mL	2.2651 mL
50 mM	0.0453 mL	0.2265 mL	0.453 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

- Rademaker B, Kramer K, Bast A, Timmerman H. Irreversible binding of the fluorescent beta-adrenoceptor probes alprenolol-NBD and pindolol-NBD to specific and non-specific binding sites. *Res Commun Chem Pathol Pharmacol.* 1988 May;60(2):147-59. PubMed PMID: 2839876.
- Rademaker B, Kramer K, van Ingen H, Kranendonk M, Timmerman H. Non-specific binding of the fluorescent beta-adrenergic receptor probe alprenolol-NBD. *J Recept Res.* 1985;5(2-3):121-31. PubMed PMID: 2993601.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481