

Product datasheet

SM64, beta1 adrenoceptor antagonist ab144659

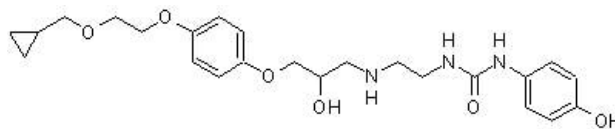
1 Image

Overview

Product name	SM64, beta1 adrenoceptor antagonist
Description	Highly selective β_1 adrenoceptor antagonist and partial agonist
Biological description	Highly selective β_1 adrenoceptor antagonist ($\log K_D = -7.5$ for β_1 and incomplete binding inhibition for β_2). Exhibits β_1 -partial agonist activity ($\log EC_{50} = -8$; 34% isoprenalinie maximum). Active <i>in vitro</i> and <i>in vivo</i> .

Purity > 97%

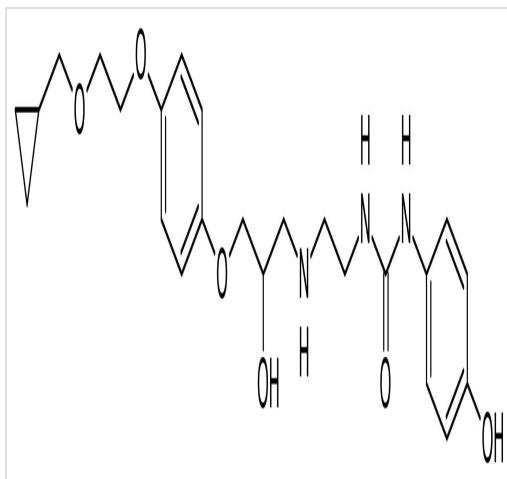
Chemical structure



Properties

Chemical name	1-[2-[[[3-[4-[2-(Cyclopropylmethoxy)ethoxy]phenoxy]-2-hydroxypropyl]amino]ethyl]-3-(4-hydroxyphenyl)urea
Molecular weight	459.54
Molecular formula	C ₂₄ H ₃₃ N ₃ O ₆
Storage instructions	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in DMSO to 100 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES	<chem>Oc1ccc(cc1)NC(=O)NCCNCC(O)COc3ccc(OCCOCC2CC2)cc3</chem>
Source	Synthetic

Images



2D chemical structure image of ab144659, SM64,
beta 1 adrenoceptor antagonist

Chemical Structure - SM64, beta₁ adrenoceptor
antagonist (ab144659)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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