

Product Name: SDZ 21009

Catalog No.: 1516

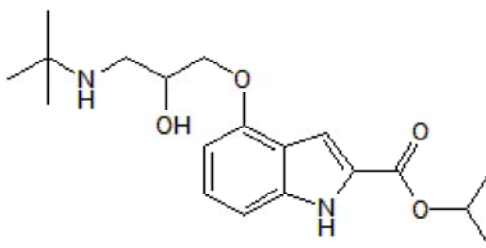
Batch No.: 1

CAS Number: 39731-05-0

IUPAC Name: 4-[3-[(1,1-Dimethylethyl)amino]-2-hydroxypropoxy]-1*H*-indole-2-carboxylic acid, 1-methylethyl ester

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₉H₂₈N₂O₄
Batch Molecular Weight: 348.44
Physical Appearance: White solid
Solubility: ethanol to 100 mM
 DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.39 (Dichloromethane:Methanol:Ammonia soln. [9:1:0.1])
HPLC: Shows 97.6% purity
¹H NMR: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	65.49	8.1	8.04
Found	65.09	8.23	7.78

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bio-techne.com

info@bio-techne.com

techsupport@bio-techne.com

North America

Tel: (800) 343 7475

China

info.cn@bio-techne.com

Tel: +86 (21) 52380373

Europe Middle East Africa

Tel: +44 (0)1235 529449

Rest of World

www.tocris.com/distributors

Tel: +1 612 379 2956

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Description:

β-adrenoceptor and 5-HT_{1A/1B} receptor antagonist. pK_B/pA₂ values are 8.3 and 8.0 for 5-HT_{1A} and 5-HT_{1B} receptors respectively. Centrally active following systemic administration in vivo.

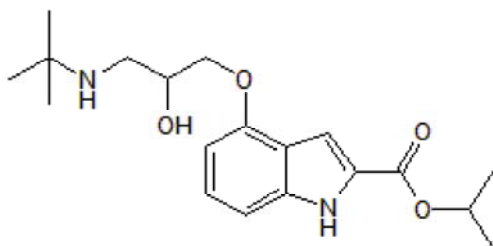
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Storage: Store at RT

Solubility & Usage Info:

ethanol to 100 mM

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Hoyer et al (1994) VII International Union of Pharmacology classification of receptors for 5-hydroxytryptamine (serotonin). *Pharmacol.Rev.* **46** 157. PMID: 7938165.

Chojnacka-Wojcik and Przegalinski (1991) Evidence for the involvement of 5-HT_{1A} receptors in the anticonflict effect of ipsapirone in rats. *Neuropharmacology* **30** 703. PMID: 1681448.

Engel et al (1986) Identity of inhibitory presynaptic 5-hydroxytryptamine (5-HT) autoreceptors in the rat brain cortex with 5-HT_{1B} binding sites. *Naunyn-Schmied.Arch.Pharmacol.* **332** 1.

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