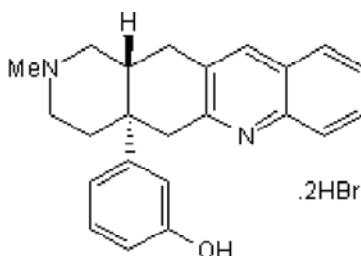


Product Name: SB 205607 dihydrobromide **Catalog No.:** 0921 **Batch No.:** 5
CAS Number: 1217628-73-3
IUPAC Name: (R*,S*)-(±)-2-Methyl-4aa-(3-hydroxyphenyl)-1,2,3,4,4a,5,12,12aa-octahydroquinolino[2,3,3-g]isoquinoline dihydrobromide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₃H₂₄N₂O.2HBr.2H₂O
Batch Molecular Weight: 542.31
Physical Appearance: Cream solid
Solubility: water to 100 mM
DMSO to 100 mM
Storage: Store at RT
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.05 (Methanol)
HPLC: Shows 99.2% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

| | Carbon | Hydrogen | Nitrogen |
|-------------|--------|----------|----------|
| Theoretical | 50.94 | 5.58 | 5.17 |
| Found | 50.81 | 5.3 | 4.99 |

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

| | | | | |
|----------------------|--|---------------------|-------------|----------|
| Product Name: | SB 205607 dihydrobromide | Catalog No.: | 0921 | 5 |
| CAS Number: | 1217628-73-3 | | | |
| IUPAC Name: | (R*,S*)-(±)-2-Methyl-4aa-(3-hydroxyphenyl)-1,2,3,4,4a,5,12,12aa-octahydroquinolino[2,3,3-g]isoquinoline dihydrobromide | | | |

Description:

The first described non-peptide δ_1 opioid receptor agonist with very high affinity and selectivity for the δ_1 subtype (K_i values are 1.12, 2320 and 1790 nM at δ_1 , μ and κ receptors respectively).

Physical and Chemical Properties:

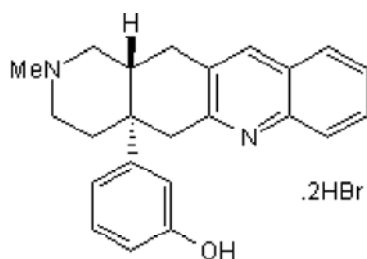
Batch Molecular Formula: C₂₃H₂₄N₂O.2HBr.2H₂O

Batch Molecular Weight: 542.31

Physical Appearance: Cream solid

Minimum Purity: ≥97%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

water 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.

Licensing Information:

Sold under license

References:

Nagase et al (2001) The pharmacological profile of δ opioid receptor ligands (+) and (-) TAN-67 on pain modulation. *Life Sci.* **68** 2227. PMID: 11358331.

Kamei et al (1995) Antinociceptive effects of the selective non-peptidic δ -opioid receptor agonist TAN-67 in diabetic mice. *Eur.J.Pharmacol.* **276** 131. PMID: 7781682.

Knap et al (1995) Properties of TAN-67, a non-peptidic β -opioid receptor agonist, at cloned human δ - and μ -opioid receptors. *Eur.J.Pharmacol.* **291** 129. PMID: 8566162.

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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