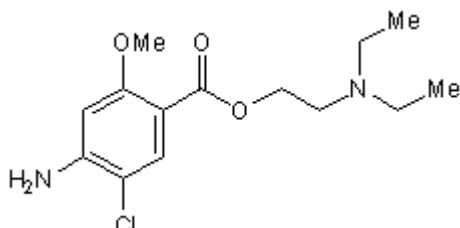


Certificate of Analysiswww.tocris.com**Product Name:** SDZ 205-557 hydrochloride**Catalog No.:** 2037**Batch No.:** 1**CAS Number:** 1197334-02-3**IUPAC Name:** 4-Amino-5-chloro-2-methoxybenzoic acid 2-(diethylamino)ethyl ester hydrochloride**1. PHYSICAL AND CHEMICAL PROPERTIES****Batch Molecular Formula:** C₁₄H₂₁ClN₂O₃.HCl**Batch Molecular Weight:** 337.25**Physical Appearance:** White solid**Solubility:** water to 100 mM**Storage:** Desiccate at RT**Batch Molecular Structure:****2. ANALYTICAL DATA****TLC:** R_f = 0.29 (Dichloromethane:Methanol [95:5])**HPLC:** Shows >99.9% purity**¹H NMR:** Consistent with structure**Mass Spectrum:** Consistent with structure**Microanalysis:** Carbon Hydrogen Nitrogen

Theoretical 49.86 6.57 8.31

Found 49.73 6.63 8.18

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 Worldwww.tocris.com/distributors

Tel: +1 612 379 2956

Product Information

Product Name: SDZ 205-557 hydrochloride**Catalog No.:** 2037**Batch No.:** 1

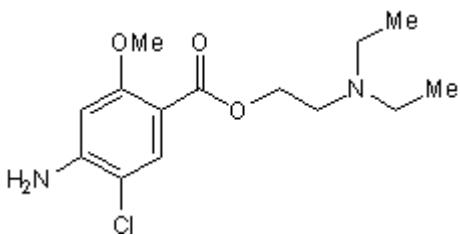
CAS Number: 1197334-02-3

IUPAC Name: 4-Amino-5-chloro-2-methoxybenzoic acid 2-(diethylamino)ethyl ester hydrochloride

Description:5-HT₃/5-HT₄ receptor antagonist.**Physical and Chemical Properties:**Batch Molecular Formula: C₁₄H₂₁ClN₂O₃.HCl

Batch Molecular Weight: 337.25

Physical Appearance: White solid

Minimum Purity: >99%**Batch Molecular Structure:****Storage:** Desiccate at RT**Solubility & Usage Info:**

water 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:

Buchheit et al (1992) SDZ 205-557, a selective, surmountable antagonist for 5-HT4 receptors in the isolated guinea pig ileum. *Naunyn-Schmied.Arch.Pharmacol.* **345** 387.

Eglen et al (1993) The action of SDZ 205,557 at 5-hydroxytryptamine (5-HT3 and 5-HT4) receptors. *Br.J.Pharmacol.* **108** 376. PMID: 8448587.

McMahon and Cunningham (1999) Antagonism of 5-hydroxytryptamine(4) receptors attenuates hyperactivity induced by cocaine: putative role for 5-hydroxytryptamine(4) receptors in the nucleus accumbens shell. *J.Pharmacol.Exp.Ther.* **291** 300. PMID: 10490917.

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bio-techne.cominfo@bio-techne.com
techsupport@bio-techne.com**North America**

Tel: (800) 343 7475

Chinainfo.cn@bio-techne.com
Tel: +86 (21) 52380373**Europe Middle East Africa**

Tel: +44 (0)1235 529449

Rest of Worldwww.tocris.com/distributors
Tel:+1 612 379 2956