

Product Name: WAY 161503 hydrochloride

Catalog No.: 1801

Batch No.: 3

CAS Number: 276695-22-8

IUPAC Name: 8,9-Dichloro-2,3,4,4a-tetrahydro-1*H*-pyrazino[1,2-*a*]quinoxalin-5(6*H*)-one hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₁H₁₁Cl₂N₃O.HCl

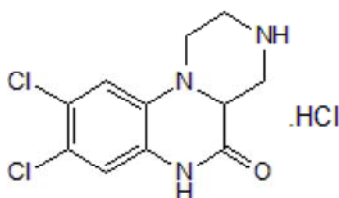
Batch Molecular Weight: 308.59

Physical Appearance: White solid

Solubility: DMSO to 30 mM

Storage: Desiccate at RT

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.44 (Ethyl acetate:Methanol:NH₄OH [90:5:5])

HPLC: Shows >99.5% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	42.81	3.92	13.62
Found	42.75	3.97	13.53

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

Product Name: WAY 161503 hydrochloride **Catalog No.:** 1801 **Batch No.:** 3
CAS Number: 276695-22-8
IUPAC Name: 8,9-Dichloro-2,3,4,4a-tetrahydro-1H-pyrazino[1,2-a]quinoxalin-5(6H)-one hydrochloride

Description:

Potent and selective 5-HT_{2C} receptor agonist (K_i = 4 nM; EC₅₀ = 12 nM). Antidepressant following systemic administration in vivo.

Physical and Chemical Properties:

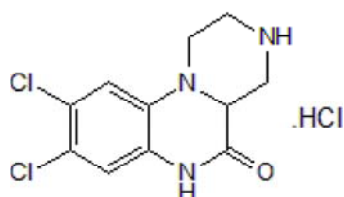
Batch Molecular Formula: C₁₁H₁₁Cl₂N₃O.HCl

Batch Molecular Weight: 308.59

Physical Appearance: White solid

Minimum Purity: >99%

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

DMSO to 30 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:

Jensen et al (2013) Design, synthesis, and pharmacological characterization of *N*- and *O*-substituted 5,6,7,8-tetrahydro-4*H*-isoxazolo[4,5-*d*]azepin-3-ol analogues: novel 5-HT_{2A}/5-HT_{2C} receptor agonists with pro-cognitive properties. *J.Med.Chem.* **56** 1211. PMID: 23301527.

Cryan and Lucki (2000) Antidepressant-like behavioral effects mediated by 5-hydroxytryptamine_{2C} receptors. *J.Pharmacol.Exp.Ther.* **295** 1120. PMID: 11082448.

Welmaker et al (2000) Synthesis and 5-hydroxytryptamine (5-HT) activity of 2,3,4,4a-tetrahydro-1*H*-pyrazino[1,2-*a*]quinoxalin-5-(6*H*) ones and 2,3,4,4a,5,6-hexahydro-1*H*-pyrazino[1,2-*a*]quinoxalines. *Bioorg.Med.Chem.Lett.* **10** 1991. PMID: 10987434.

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