

Product Name: WAY 629 hydrochloride

Catalog No.: 2173

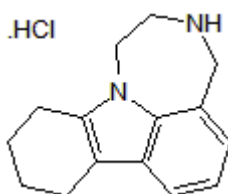
Batch No.: 1

CAS Number: 57756-44-2

IUPAC Name: 1,2,3,4,8,9,10,11-Octahydro[1,4]diazepino[6,7,1-*jk*]carbazole hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₅H₁₈N₂·HCl
Batch Molecular Weight: 262.78
Physical Appearance: Off-white solid
Solubility: DMSO to 100 mM
Storage: Desiccate at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.4 (Ethyl acetate:Ammonia solution [99:1])
Melting Point: Greater than 300°C
HPLC: Shows >98.1% purity
¹H NMR: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	68.56	7.29	10.66
Found	68.42	7.2	10.73

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

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Description:

Selective 5-HT_{2C} agonist. K_i values are 56, 2350, 1575 and 815 nM for human recombinant 5-HT_{2C}, 5-HT_{2A}, 5-HT₆ and 5-HT₇ receptors respectively. Stimulates intracellular Ca²⁺ mobilization in CHO cells expressing human 5-HT_{2C} receptors (EC₅₀ = 72 nM). Reduces food intake in rats.

Physical and Chemical Properties:

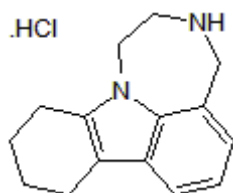
Batch Molecular Formula: C₁₅H₁₈N₂.HCl

Batch Molecular Weight: 262.78

Physical Appearance: Off-white solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Sabb et al (2004) Cycloalkyl[*b*][1,4]benzodiazepinoindoles are agonists at the human 5-HT_{2C} receptor. *Bioorg.Med.Chem.Lett.* **14** 2603. PMID: 15109661.

Dunlop et al (2004) Identification of cycloalkyl[*b*][1,4]benzodiazepinoindoles as novel 5-HT_{2C} receptor agonists. *Fund.Clin.Pharmacol.* **18** (Suppl.1) 145.

Storage: Desiccate at +4°C

Solubility & Usage Info:

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.

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