

**Product Name:** WAY 267464 dihydrochloride

**Catalog No.:** 3933

**Batch No.:** 4

CAS Number: 1432043-31-6

IUPAC Name: *N*-[[4-[(4,10-Dihydro-1-methylpyrazolo[3,4-*b*][1,5]benzodiazepin-5(1*H*)-yl)carbonyl]-2-methylphenyl]methyl]-4-[(3,5-dihydroxyphenyl)methyl]-1-piperazinecarboxamide dihydrochloride

**1. PHYSICAL AND CHEMICAL PROPERTIES**

**Batch Molecular Formula:** C<sub>32</sub>H<sub>35</sub>N<sub>7</sub>O<sub>4</sub>.2HCl.2H<sub>2</sub>O

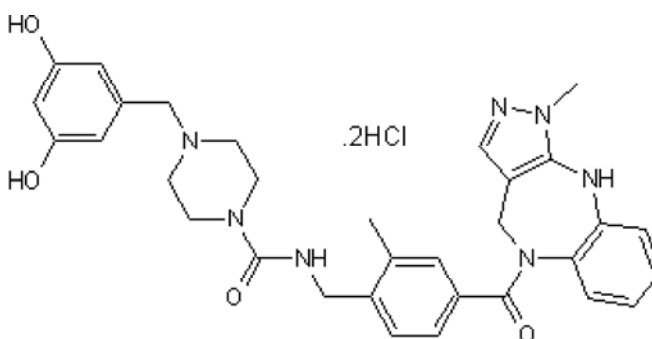
**Batch Molecular Weight:** 690.62

**Physical Appearance:** White solid

**Solubility:** DMSO to 80 mM  
water to 5 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



**2. ANALYTICAL DATA**

**TLC:** R<sub>f</sub> = 0.13 (Dichloromethane:Methanol:Ammonia soln. [9:1:0.1])

**HPLC:** Shows 99.8% purity

**<sup>1</sup>H NMR:** Consistent with structure

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	55.65	5.98	14.2
Found	55.76	6.09	14.23

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

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**Description:**

Potent, selective non-peptide oxytocin receptor (OTR) agonist ( $K_i = 58.4$  nM at human OTR). Exhibits anxiolytic-like effects. May have therapeutic potential for the treatment of psychosis and schizophrenia.

**Physical and Chemical Properties:**

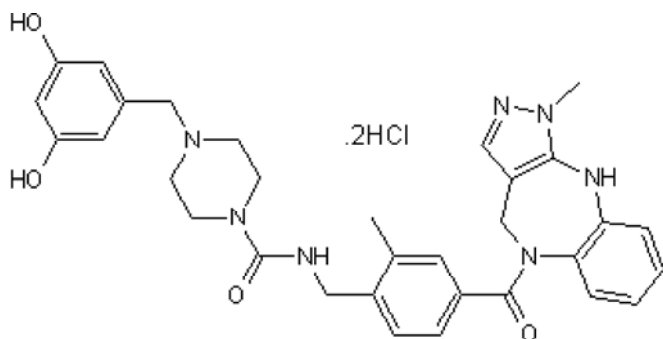
Batch Molecular Formula:  $C_{32}H_{35}N_7O_4 \cdot 2HCl \cdot 2H_2O$

Batch Molecular Weight: 690.62

Physical Appearance: White solid

**Minimum Purity:** >97%

**Batch Molecular Structure:**



**Storage:** Store at -20°C

**CAUTION** - This product is light sensitive and we recommend that the solid material and any solutions obtained are protected from exposure to light.

**Solubility & Usage Info:**

DMSO to 80 mM

water to 5 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 for research purposes under agreement from Pfizer Inc.

**References:**

Ring *et al* (2010) Receptor and behavioral pharmacology of WAY-267464, a non-peptide oxytocin receptor agonist. *Neuropharmacology* 58 6. PMID: 19615387.

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