

# TCS 1102

Catalog No: tcsc1923



## Available Sizes

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

916141-36-1

**Formula:**

$C_{27}H_{26}N_4O_2S$

**Pathway:**

GPCR/G Protein

**Target:**

Orexin Receptor (OX Receptor)

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 100$  mg/mL (212.50 mM)

**Observed Molecular Weight:**

470.59

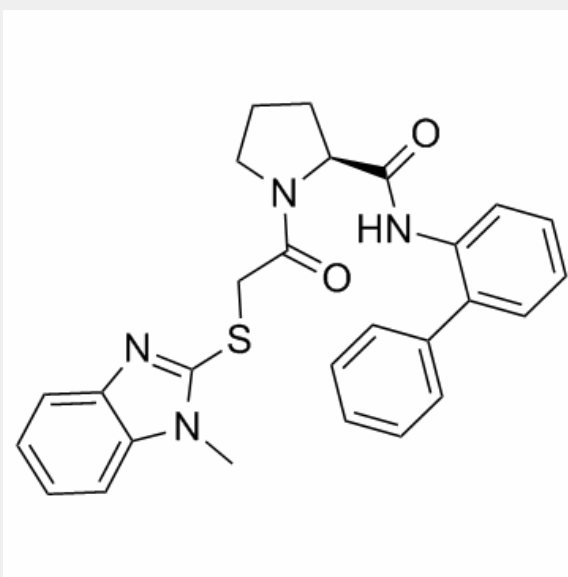
## Product Description

TCS 1102 is a potent, dual orexin receptor antagonist (Ki values are 0.2 and 3 nM for OX2 and OX1 receptors respectively).

IC50 value: 0.2 nM (Ki, OX2 receptor); 3 nM (Ki, OX1 receptor) [1]

Target: OX2 and OX1 receptor

TCS-1102 (10 and 20 mg/kg, i.p.) were found to decrease fear and anxiety in rats 14 days after exposure to footshock. Furthermore, TCS-1102 (10 mg/kg, i.p.) was found to have anxiolytic effects that were specific for HR when tested in the elevated T-maze. [2]



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!