

**Product Name:** TASP 0277308

**Catalog No.:** 6498

**Batch No.:** 1

**CAS Number:** 945725-50-8

**IUPAC Name:** 3,4-Dichloro-*N*-[(1*R*)-1-[4-ethyl-5-[3-(4-methyl-1-piperazinyl)phenoxy]-4*H*-1,2,4-triazol-3-yl]ethyl]benzenesulfonamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>23</sub>H<sub>28</sub>Cl<sub>2</sub>N<sub>6</sub>O<sub>3</sub>S.

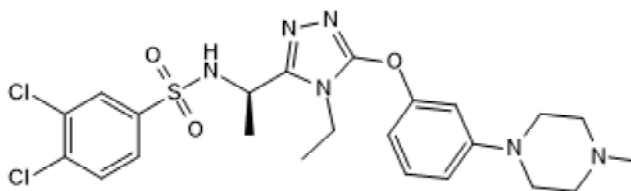
**Batch Molecular Weight:** 539.48

**Physical Appearance:** White solid

**Solubility:** DMSO to 5 mM

**Storage:** Store at -20°C

**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 99.2% purity

**Chiral HPLC:** Shows 100.0% purity

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

**Mass Spectrum:** Consistent with structure

**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	51.21	5.23	15.58
Found	51.09	5.25	15.54

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**Description:**

TASP 0277308 is a potent and selective sphingosine 1-phosphate (S1P<sub>1</sub>) receptor antagonist (IC<sub>50</sub> = 7.8 nM). TASP 0277308 inhibits S1P-induced chemotaxis (IC<sub>50</sub> = 1.1-1.6 nM), HUVEC cell proliferation (IC<sub>50</sub> = 3-3.6 nM) and suppresses angiogenesis in vivo. TASP 0277308 also blocks VEGF-induced tube-formation of HUVECs in vitro and reverses or impairs the development of arthritis or mechano-allodynia.

**Physical and Chemical Properties:**

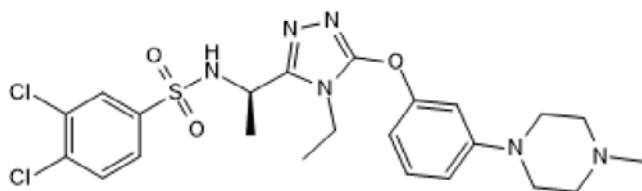
Batch Molecular Formula: C<sub>23</sub>H<sub>28</sub>Cl<sub>2</sub>N<sub>6</sub>O<sub>3</sub>S.

Batch Molecular Weight: 539.48

Physical Appearance: White solid

**Minimum Purity:** ≥98%

**Batch Molecular Structure:**



**References:**

Fujii *et al* (2012) Blocking S1P interaction with S1P<sub>1</sub> receptor by a novel competitive S1P<sub>1</sub>-selective antagonist inhibits angiogenesis. *Biochem.Biophys.Res.Commun.* **419** 754. PMID: 22387544.

Fujii *et al* (2012) Amelioration of collagen-induced arthritis by a novel S1P<sub>1</sub> antagonist with immunomodulatory activities. *J.Immunol.* **188**. PMID: 22131329.

**Storage:** Store at -20°C

**Solubility & Usage Info:**

DMSO 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.

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