

**Product Name:** TC-N 1752

**Catalog No.:** 4435

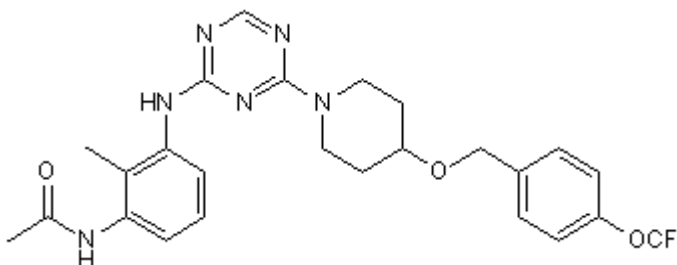
**Batch No.:** 1

**CAS Number:** 1211866-85-1

**IUPAC Name:** *N*-[2-Methyl-3-[[4-[4-[[4-(trifluoromethoxy)phenyl]methoxy]-1-piperidinyl]-1,3,5-triazin-2-yl]amino]phenyl]acetamide

## 1. PHYSICAL AND CHEMICAL PROPERTIES

**Batch Molecular Formula:** C<sub>25</sub>H<sub>27</sub>F<sub>3</sub>N<sub>6</sub>O<sub>3</sub>  
**Batch Molecular Weight:** 516.52  
**Physical Appearance:** White solid  
**Solubility:** DMSO to 100 mM  
 1eq. HCl to 10 mM  
 ethanol to 5 mM  
**Storage:** Store at +4°C  
**Batch Molecular Structure:**



## 2. ANALYTICAL DATA

**HPLC:** Shows 99.1% purity  
**<sup>1</sup>H NMR:** Consistent with structure  
**Mass Spectrum:** Consistent with structure  
**Microanalysis:**

	Carbon	Hydrogen	Nitrogen
Theoretical	58.13	5.27	16.27
Found	58.21	5.23	16.26

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

Tocris Bioscience is an R&D Systems company  
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**Description:**

Selective blocker of human Na<sub>v</sub>1.7 channels (IC<sub>50</sub> values are 0.17, 0.3, 0.4 and 1.1 μM at hNa<sub>v</sub>1.7, hNa<sub>v</sub>1.3, hNa<sub>v</sub>1.4 and hNa<sub>v</sub>1.5 respectively). Also inhibits tetrodotoxin-sensitive sodium channels. Displays analgesic efficacy in the formalin pain model.

**Physical and Chemical Properties:**

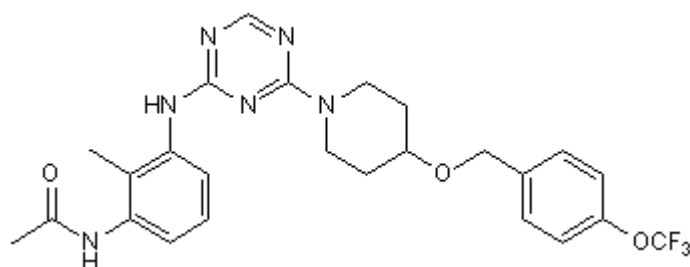
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Batch Molecular Weight: 516.52

Physical Appearance: White solid

**Minimum Purity:** >99%

**Batch Molecular Structure:**



**Storage:** Store at +4°C

**Solubility & Usage Info:**

DMSO to 100 mM

1eq. HCl to 10 mM

ethanol 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.

**References:**

**Bregman et al** (2011) Identification of a potent, state-dependent inhibitor of Nav1.7 with oral efficacy in the formalin model of persistent pain. *J.Med.Chem.* **54** 4427. PMID: 21634377.

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