

Product Name: PF 04671536 hydrochloride

Catalog No.: 6024

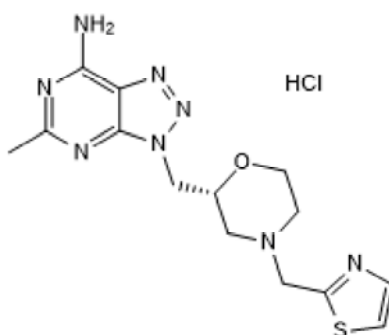
Batch No.: 1

CAS Number: 1305116-67-9

IUPAC Name: 5-Methyl-3-[[*(2R)*-4-(2-thiazolylmethyl)-2-morpholinyl]methyl]-3*H*-1,2,3-triazolo[4,5-*d*]pyrimidin-7-amine hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₁₄ H ₁₈ N ₈ OS.HCl.1½H ₂ O
Batch Molecular Weight:	409.89
Physical Appearance:	Off White solid
Solubility:	water to 20 mM with gentle warming DMSO to 100 mM
Storage:	Desiccate at RT
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 99.0% purity
Chiral HPLC:	Shows 98.4% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure
Microanalysis:	
	Carbon Hydrogen Nitrogen
Theoretical	41.02 5.41 27.34
Found	41.35 5.47 27.47

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

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Description:

PF 04671536 hydrochloride is a potent and selective PDE8B/8A inhibitor (IC₅₀ values are 1.3 and 1.9 nM, respectively). Exhibits selectivity for PDE8A/B over other PDEs (IC₅₀ values are >10 μM) and a range of other targets. Increases glucose-dependent insulin secretion from human pancreatic islet cells. Orally bioavailable.

Physical and Chemical Properties:

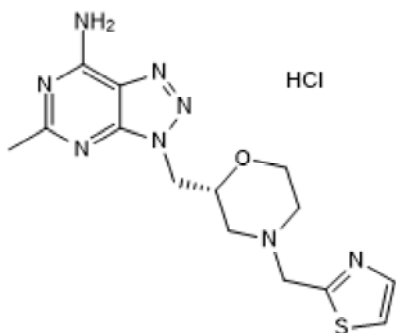
Batch Molecular Formula: C₁₄H₁₈N₈OS.HCl.1½H₂O

Batch Molecular Weight: 409.89

Physical Appearance: Off White solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Desiccate at RT

Solubility & Usage Info:

water to 20 mM with gentle warming
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.

Licensing Information:

Sold for research purposes under agreement from Pfizer Inc

References:

DeNinno *et al* (2012) Discovery of triazolopyrimidine-based PDE8B inhibitors: exceptionally ligand-efficient and lipophilic ligand-efficient compounds for the treatment of diabetes. *Bioorg.Med.Chem.Lett.* **22** 5721. PMID: 22858141.

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