

Product Name: PF 06273340

Catalog No.: 6115

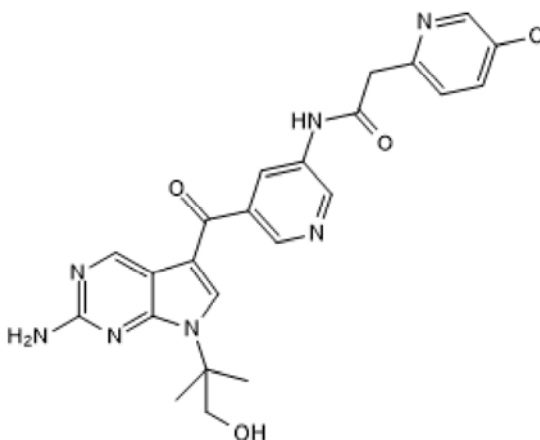
Batch No.: 2

CAS Number: 1402438-74-7

IUPAC Name: *N*-[5-[[2-Amino-7-(2-hydroxy-1,1-dimethylethyl)-7*H*-pyrrolo[2,3-*d*]pyrimidin-5-yl]carbonyl]-3-pyridinyl]-5-chloro-2-pyridineacetamide

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula:	C ₂₃ H ₂₂ ClN ₇ O ₃ .
Batch Molecular Weight:	479.93
Physical Appearance:	Orange solid
Solubility:	DMSO to 100 mM
Storage:	Store at RT
Batch Molecular Structure:	



2. ANALYTICAL DATA

HPLC:	Shows 98.9% purity
¹H NMR:	Consistent with structure
Mass Spectrum:	Consistent with structure

Microanalysis:	Carbon	Hydrogen	Nitrogen
Theoretical	57.56	4.62	20.43
Found	57.64	4.57	20.27

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

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Description:

PF 06273340 is a potent and selective pan-Trk inhibitor (IC₅₀ values are 1, 2 and 6 nM for Trk C, B and A, respectively). Selective for Trk over a panel of ion channels, receptors and other enzymes. Peripherally restricted. Exhibits efficacy in a rodent model of inflammatory pain. Orally bioavailable.

Physical and Chemical Properties:

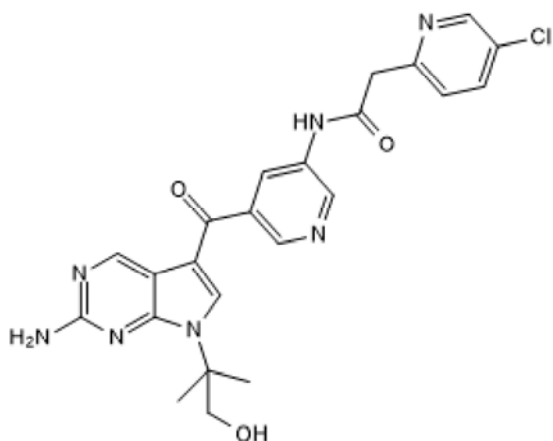
Batch Molecular Formula: C₂₃H₂₂ClN₇O₃.

Batch Molecular Weight: 479.93

Physical Appearance: Orange solid

Minimum Purity: ≥98%

Batch Molecular Structure:



Storage: Store at RT

Solubility & Usage Info:

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:

Skerratt *et al* (2016) The discovery of a potent, selective, and peripherally restricted pan-Trk inhibitor (PF-06273340) for the treatment of pain. *J.Med.Chem.* **59** 10084. PMID: 27766865.

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