

Product Name: PF 184

Catalog No.: 4238

Batch No.: 2

CAS Number: 1187460-81-6

IUPAC Name: 8-[[[5-Chloro-2-[3,4-dimethyl-3,4-bis(hydroxymethyl)-1-pyrrolidinyl]-4-pyridinyl]carbonyl]amino]-1-(4-fluorophenyl)-4,5-dihydro-1*H*-benz[*g*]indazole-3-carboxamide

1. PHYSICAL AND CHEMICAL PROPERTIES

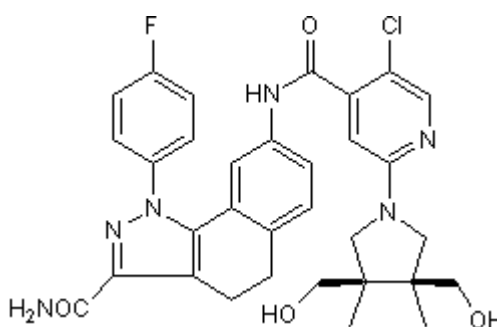
Batch Molecular Formula: C₃₂H₃₂ClFN₆O₄·2¼H₂O

Batch Molecular Weight: 659.62

Physical Appearance: Off-white solid

Storage: Store at +4°C

Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.34 (Dichloromethane:Methanol [9:1])

HPLC: Shows >98.9% purity

¹H NMR: Consistent with structure

Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	58.27	5.58	12.74
Found	58.36	5.64	12.69

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Description:

Potent and selective IKK β inhibitor (IC₅₀ = 37 nM). Displays selectivity over 85 other kinases. Inhibits IL-1 β -induced TNF- α production in a steroid-insensitive in vitro model of oxidative stress.

Physical and Chemical Properties:

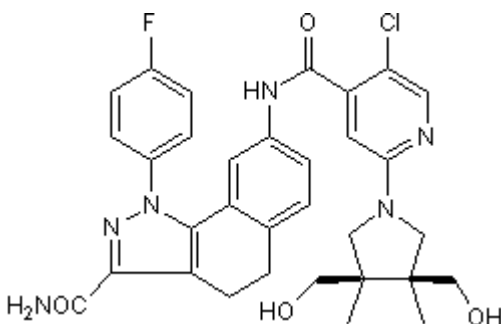
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Physical Appearance: Off-white solid

Minimum Purity: >98%

Batch Molecular Structure:



References:

Sommers et al (2009) Novel tight-binding inhibitory factor- κ B kinase (IKK-2) inhibitors demonstrate target-specific anti-inflammatory activities in cellular assays and following oral and local delivery in an in vivo model of airway inflammation. *J.Pharmacol.Exp.Ther.* **330** 377. PMID: 19478133.

Storage: Store at +4°C

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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