

Tyrosine kinase-IN-1

Catalog No: tcsc0018466



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg



Specifications

CAS No:

705946-27-6

Formula:

$C_{26}H_{28}FN_5O$

Pathway:

Protein Tyrosine Kinase/RTK;Protein Tyrosine Kinase/RTK;Protein Tyrosine Kinase/RTK

Target:

VEGFR;PDGFR;FGFR

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 62.5 mg/mL (140.28 mM)

Observed Molecular Weight:

445.53

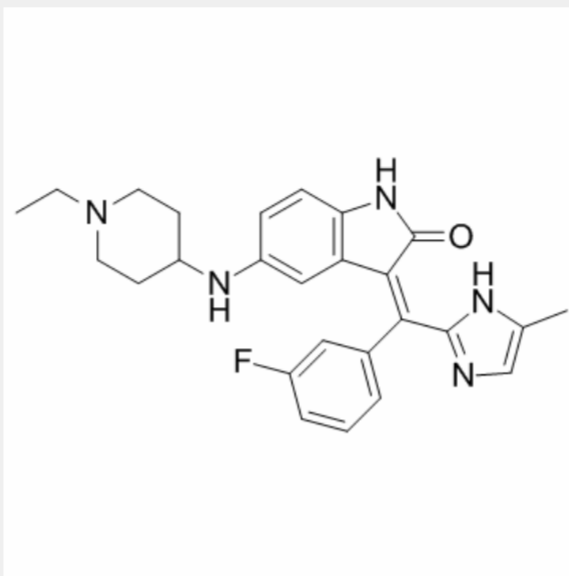
Product Description

Tyrosine kinase-IN-1 is a multi-targeted tyrosine kinase inhibitor with **IC₅₀**s of 4, 20, 4, 2 nM for **KDR**, **Flt-1**, **FGFR1** and **PDGFR α** , respectively.

IC50 & Target: IC50: 4 nM (KDR), 20 nM (Flt-1), 4 nM (FGFR1), 2 nM (PDGFR α)^[1]

In Vitro: Tyrosine kinase-IN-1 is from reference (compound 8K)^[1].

In Vivo: Tyrosine kinase-IN-1 shows a reasonable PK profile ($AUC_{0-\infty}$)=1.9, $t_{1/2}$ =4.6 h). It has a favorable oral bioavailability (F=63%) in rats^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!