

DDR1-IN-1

Catalog No: tcsc2808



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1449685-96-4

Formula:

$C_{30}H_{31}F_3N_4O_3$

Pathway:

Protein Tyrosine Kinase/RTK

Target:

Discoidin Domain Receptor

Purity / Grade:

>98%

Solubility:

DMSO : \geq 41 mg/mL (74.20 mM)

Observed Molecular Weight:

552.59

Product Description

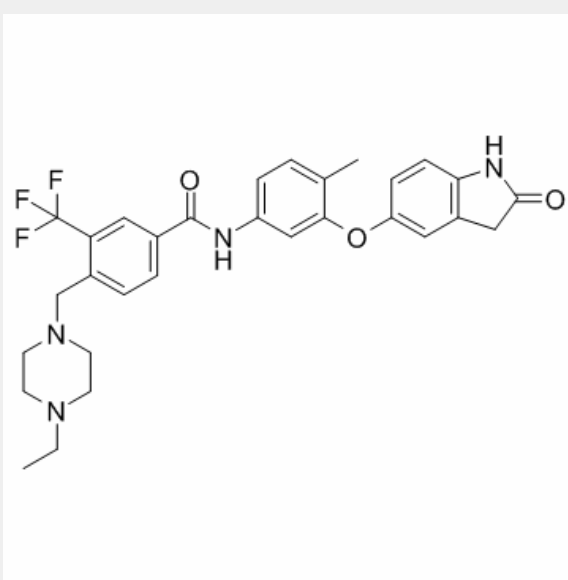
DDR1-IN-1 is a potent and selective DDR1 receptor tyrosine kinase

inhibitor with IC₅₀/EC₅₀ of 105 nM/87 nM; 4-fold less potent for DDR2 (IC₅₀= 413 nM).

IC₅₀ value: 105 nM [1]

Target: DDR1

We confirmed the observed binding to DDR1 using an enzymatic kinase assay employing the Lanthascreen technology. In this assay DDR1-IN-1 exhibits an IC₅₀ of 105 nM against DDR1 and 413 nM against DDR2. DDR1-IN-1 and DDR1-IN-2 inhibited basal DDR1 autophosphorylation with an EC₅₀ of 86 nM and 9 nM, respectively. Both DDR1-IN-1 and DDR1-IN-2 demonstrated weaker inhibition of DDR1 autophosphorylation in the absence of collagen stimulation.



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