

TCS PIM-1 1

Catalog No: tcsc2043



Available Sizes

Size: 10mg

Size: 50mg



Specifications

CAS No:

491871-58-0

Formula:

$C_{18}H_{11}BrN_2O_2$

Pathway:

JAK/STAT Signaling

Target:

Pim

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 52 mg/mL (141.61 mM)

Alternative Names:

SC 204330

Observed Molecular Weight:

367.2

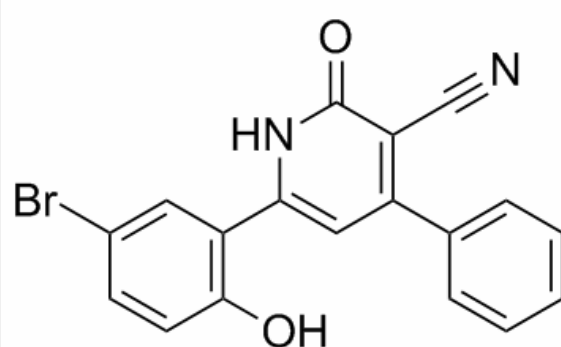
Product Description

TCS PIM-1 1(sc-204330) is a potent and selective ATP-competitive Pim-1 kinase inhibitor with IC₅₀ of 50 nM, displays good selectivity over Pim-2 and MEK1/MEK2(IC₅₀s >20,000 nM).

IC50 value: 50 nM [1]

Target: Pim-1

TCS PIM-1 1 bound convincingly within the ATP-binding site of Pim-1 suggesting an ATP-competitive inhibitory mechanism. Preliminary data further suggested that 1 lacked in vitro inhibitory activity toward related serine/threonine kinases Pim-2 and MEK1/2 (IC50 > 20 μM). Hence, small molecules similar to TCS PIM-1 1 may serve as useful starting scaffolds for the development of other improved yet selective Pim-1 inhibitors.



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