

AZD1208

Catalog No: tcsc1668



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg

Size: 200mg



Specifications

CAS No:

1204144-28-4

Formula:

$C_{21}H_{21}N_3O_2S$

Pathway:

JAK/STAT Signaling

Target:

Pim

Purity / Grade:

>98%

Solubility:

DMSO : 28.5 mg/mL (75.10 mM; Need ultrasonic and warming)

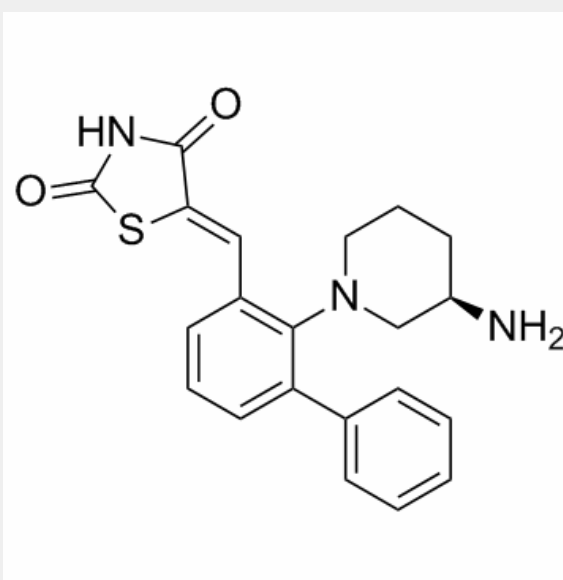
Observed Molecular Weight:

379.48

Product Description

AZD1208 is a novel, orally bioavailable, highly selective **PIM** kinases inhibitor.

In Vitro: AZD1208 shows good antiproliferative activity in a megakaryoblastic leukemia cell line, MOLM-16, with GI_{50} values less than 100 nM^[1]. AZD1208 (10 μ M) inhibits the growth of Ramos cells, and at 1 μ M, strongly inhibits PIM kinases in all cell at 1 μ M. AZD1208 induces apoptosis, and PIM2 knockdown is mainly associated with an alteration of the cell cycle^[2]. The combination of AZD1208 and AZD2014 rapidly activates AMPK α , a negative regulator of translation machinery through mTORC1/2 signaling in AML cells; profoundly inhibits AKT and 4EBP1 activation; and suppresses polysome formation^[3].



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