

AIM-100

Catalog No: tcsc0702



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

873305-35-2

Formula:

$C_{23}H_{21}N_3O_2$

Pathway:

Protein Tyrosine Kinase/RTK

Target:

Ack1

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

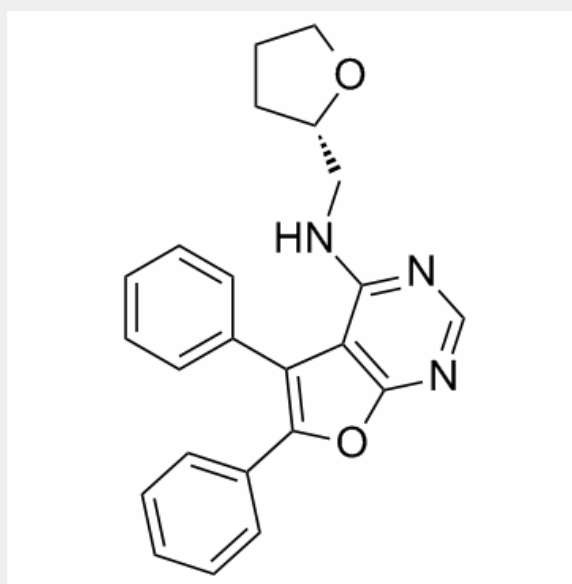
371.43

Product Description

AIM-100 is a small molecule inhibitor of Ack1 with an IC₅₀ of 24 nM.

Target: Ack1

Ack1 inhibitor AIM-100 not only inhibited Ack1 activation but also suppressed AKT tyrosine phosphorylation, leading to cell cycle arrest in the G1 phase [1]. The Ack1 inhibitor AIM-100 not only inhibited Ack1 activity but also was able to suppress AR Tyr(267) phosphorylation and its recruitment to the ATM enhancer. Notably, AIM-100 suppressed Ack1 mediated ATM expression and mitigated the growth of radioresistant CRPC tumors [2]. AIM-100, not only inhibited Ack1 activation but also able to suppress pTyr267-AR phosphorylation, binding of AR to PSA, NKX3.1, and TMPRSS2 promoters, and inhibit AR transcription activity [3].



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