

# AIM-100

**Catalog No: tcsc0702**



## Available Sizes

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**Size:** 5mg

**Size:** 10mg

**Size:** 50mg

**Size:** 100mg



## Specifications

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**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

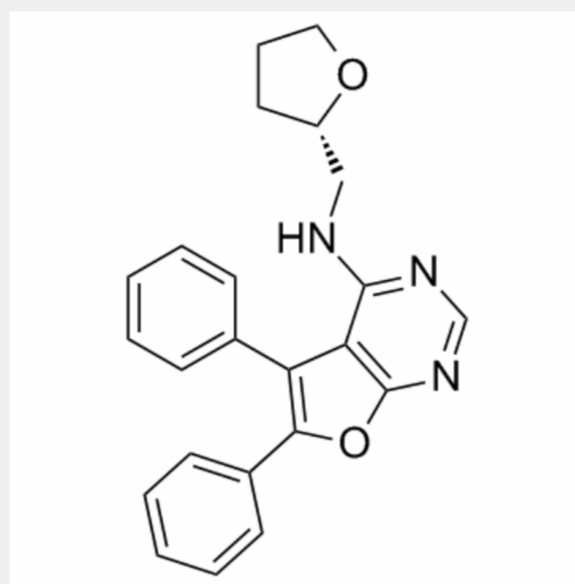
## Product Description

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

IC50 value: 24 nM [3]

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!