

## ALW-II-41-27

Catalog No: tcsc1203



### Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg



### Specifications

**CAS No:**

1186206-79-0

**Formula:**

$C_{32}H_{32}F_3N_5O_2S$

**Pathway:**

Protein Tyrosine Kinase/RTK

**Target:**

Ephrin Receptor

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 47$  mg/mL (77.34 mM)

**Alternative Names:**

Eph receptor tyrosine kinase inhibitor

**Observed Molecular Weight:**

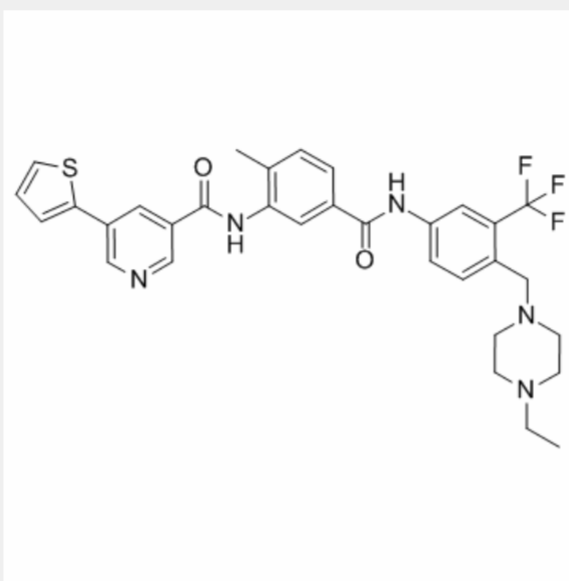
607.69

### Product Description

ALW-II-41-27 is a **Eph** family tyrosine kinase inhibitor with an **IC<sub>50</sub>** of 11 nM for Eph2.

IC50 & Target: IC50: 11 nM (Eph2)<sup>[1]</sup>

**In Vitro:** ALW-II-41-27 inhibits Ba/F3 cells transformed with Tel fusions of EphA3, Kit, Fms, KDR, FLT1, FGR, Src, Lyn, Bmx, and Bcr-Abl with an EC<sub>50</sub> below 500 nM. ALW-II-41-27 exhibits cross reactivity with Bcr-Abl. ALW-II-41-27 inhibits b-raf, CSF1R, DDR1, DDR2, EphA2, EphA5, EphA8, EphB1, EphB2, EphB3, Frk, Kit, Lck, p38 $\alpha$ , p38 $\beta$ , PDGFR $\alpha$ , PDGFR $\beta$ , and Raf1 and many more demonstrating how introduction of the thiophene group can have a tremendous impact on kinase selectivity<sup>[1]</sup>.



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