

ON 146040

Catalog No: tcsc3348



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1404231-34-0

Formula:

$C_{24}H_{23}N_7O_3S$

Pathway:

PI3K/Akt/mTOR;Protein Tyrosine Kinase/RTK

Target:

PI3K;Bcr-Abl

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

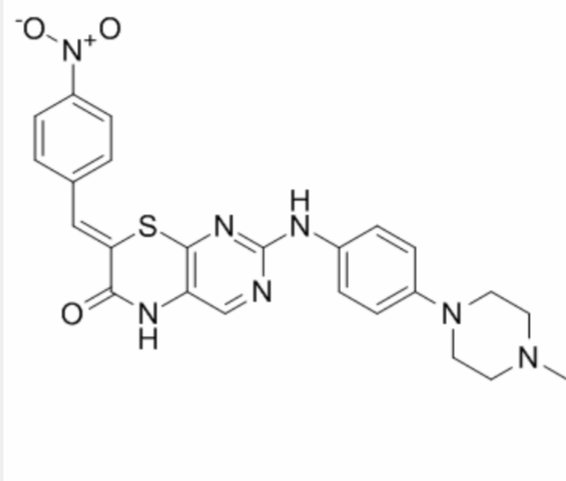
489.55

Product Description

ON 146040 is a potent **PI3K α** and **PI3K δ** (**IC₅₀** \approx 14 and 20 nM, respectively) inhibitor. ON 146040 also inhibits **Abl1** (**IC₅₀**

IC50 & Target: IC50: 14 nM (PI3K α), 20 nM (PI3K δ), 1 μ M (PI3K γ), 3 μ M (PI3K β), [1]

In Vitro: In biochemical testing, ON 146040 inhibits PI3K α / PI3K δ isoforms ($IC_{50} \approx 14$ and 20 nM, respectively) without having a major effect on PI3K β / PI3K γ isoforms ($IC_{50} \approx 3$ and 1 μ M, respectively). ON 146040 is also found to inhibit Abl1 and several mutant versions of this kinase (IC_{50} values in the 150 to 1,000 nM range. Following treatment with ON 146040, STAT3 and STAT5 phosphorylation are down-regulated in leukemia and myeloma cells^[1].



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