

TAK-580

Catalog No: tcsc0751



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1096708-71-2

Formula:

$C_{17}H_{12}Cl_2F_3N_7O_2S$

Pathway:

MAPK/ERK Pathway

Target:

Raf

Purity / Grade:

>98%

Solubility:

DMSO : 50 mg/mL (98.76 mM; Need ultrasonic)

Alternative Names:

MLN 2480;BIIB-024

Observed Molecular Weight:

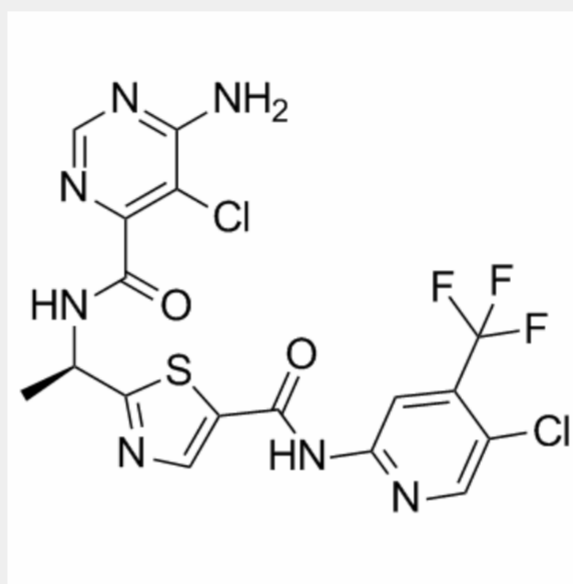
506.29

Product Description

TAK-580 (MLN 2480) is an orally active and selective inhibitor of **pan-Raf** kinase.

In Vitro: TAK-580 (MLN 2480) has effect on reversing feedback activation of MEK in response to TAK-733, leading to more concerted MAPK pathway inhibition^[1].

In Vivo: TAK-580 (MLN 2480) inhibits MAPK pathway signaling in BRAF mutant and some RAS mutant preclinical cancer models at concentrations that are tolerated in vivo. TAK-580 (MLN 2480) is most potent in BRAF mutant melanoma models but also has single agent activity in some RAS mutant models. The combination of MLN2480 with TAK-733 inhibits the growth of a broader range of RAS mutant tumor models than single agent TAK-580 (MLN 2480), including primary human tumor xenograft models of melanoma and CRC^[1].



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