

K-80003

Catalog No: tcsc0039348



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg



Specifications

CAS No:

1292821-90-9

Formula:

$C_{22}H_{21}FO_2$

Pathway:

PI3K/Akt/mTOR

Target:

Akt

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

TX-803

Observed Molecular Weight:

336.4

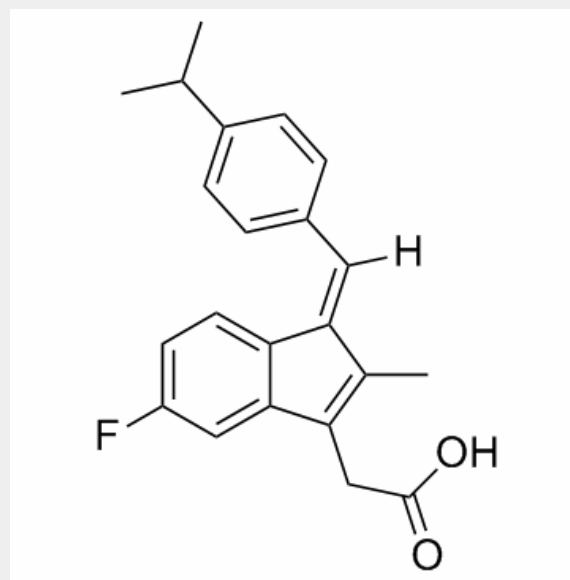
Product Description

K-80003 is a potent inhibitor of tRXR α -dependent **Akt** activation and cancer cell growth.

IC50 & Target: Akt^[1]

In Vitro: When MCF-7 cells are cotreated with K-80003, TNF α -induced colocalization of tRXR α with p85 α in the cytoplasm is inhibited, resulting in tRXR α nuclear localization. Western blotting shows that K-80003-stabilized tetrameric form of tRXR α is found exclusively in the nuclear fraction, while tRXR α monomer is distributed both in the nuclear and cytoplasmic fractions^[2].

In Vivo: K-80003 is a potent inhibitor of AKT activation by all-trans-retinoic acid. K-80003 displays enhanced efficacy in inhibiting tRXR α -dependent AKT activation and tRXR α tumor growth in animals. K-80003 has high affinity to RXR α but lacks COX inhibitory activity^[1].



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