Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

YK-4-279

Catalog No: tcsc0667

Available Sizes

Size: 10mg

Size: 50mg

Size: 100mg

Specifications

CAS No:
1037184-44-3

Formula:
$C_{17}H_{13}Cl_2NO_4$

Pathway:
Cell Cycle/DNA Damage

Target:
DNA/RNA Synthesis

Purity / Grade:
>98%

Solubility:
DMSO : 25 mg/mL (68.27 mM; Need ultrasonic)

Observed Molecular Weight:
366.2

Product Description

YK 4-279 is an inhibitor of RNA Helicase A (RHA) binding to the oncogenic transciption factor EWS-FLI1. YK-4-279 inhibits Ewing\'s sarcoma family tumor (ESFT) cell growth; YK-4-279 induces apoptosis.

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IC50 value:

Target: RNA Helicase A

ES-FLI1 is an oncogenic fusion protein found in Ewing’s sarcoma, a family of undifferentiated tumors that occur throughout the body. The binding of RNA helicase A (RHA) to ES-FLI1 promotes its oncogenic function. YK-4-279 is an inhibitor of protein-protein interactions between ES-FLI1 and RHA. At 10 μM, YK-4-279 blocks RHA binding to ES-FLI1 and induces apoptosis of a panel of Ewing’s sarcoma tumor cell lines with IC50 values ranging from 0.5-2 μM. At 1.5 mg per dose, YK-4-279 reduces the growth of Ewing’s sarcoma orthotopic xenografts in mice after treatment with the inhibitor for two weeks.