

Catalog Number: CM05182

产品信息

Catalog Number:
CM05182

CAS号:
2093393-05-4

分子式:
C₁₇H₁₆N₄O₅S

主要靶点:
MLKL

主要通路:
Others

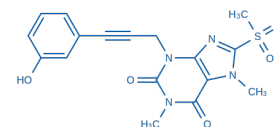
分子量:
388.3977

MDL NO:

Pubchem ID:
134691750.0

溶解度:

DMSO	25 mg/mL
Water	Insoluble



靶点

Target	Activity
MLKL	EC ₅₀ =2±0.6nM

描述

Mixed lineage kinase domain-like protein (MLKL) is a necroptosis executor that mediates ion influx and causes cell structure disruption. TC13172 is a MLKL inhibitor that shows anti-necroptosis potency with an EC₅₀ value of 2 ± 0.6 nM in TNF-α/Smac mimetic/Z-VAD-fmk-treated HT-29 cells. In HT-29 cells pre-incubated with 100 nM TC13172 for 2 hours and then treated with another MLKL inhibitor with a propyne group at the dose of 1 μM for additional 2 hours, TC13172 efficiently outcompeted the other inhibitor in binding to MLKL. Treatment of HT-29 cells with 100 nM TC13172 for 8 hours blocked the oligomerization and translocation of MLKL from the cytoplasm to the cell membrane but did not disrupt the phosphorylation of MLKL.

储存

储存条件:

粉末	-20°C	3年
液体	-80°C	1年

运输条件:

Shipped in cold pack

参考文献

- 1 Discovery of a new class of highly potent necroptosis inhibitors targeting the mixed lineage kinase domain-like protein.
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For technical support and original validation data for this product please contact

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