

Product Name : M-443

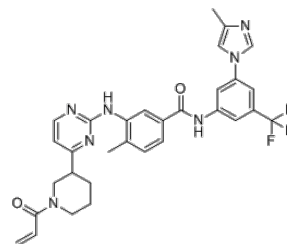
Synonyms : M443;M 443

Cat No. : M12804

CAS Number : 1820684-31-8

Molecular Formula : C₃₁H₃₀F₃N₇O₂

Formula Weight : 589.62



Chemical Name : 3-((4-(1-acryloylpiperidin-3-yl)pyrimidin-2-yl)amino)-4-methyl-N-(3-(4-methyl-1H-imidazol-1-yl)-5-(trifluoromethyl)phenyl)benzamide

Description : A specific, irreversible inhibitor of MLK-related kinase MRK (ZAK), does not inhibit Bcr-Abl; effectively inhibits MRK downstream signals in primary medulloblastoma cells and prevents cell-cycle arrest induced by IR; also inhibits radiation-induced activation of both p38 and Chk2; achieves a synergistic increase in survival in an animal model of medulloblastoma.

Pathway : MAPK/ERK Signaling

Target : MLK

Receptor : MLK

Solubility : DMSO : 55 mg/mL 93.28 mM

SMILES : O=C(NC1=CC(C(F)(F)F)=CC(N2C=C(C)N=C2)=C1)C3=CC=C(C)C(NC4=NC=CC(C5CN(C(C=C)O)CCC5)=N4)=C3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Markowitz D, et al. Mol Cancer Ther. 2016 Aug;15(8):1799-808.