

Product Name : RIPGBM

Synonyms : —

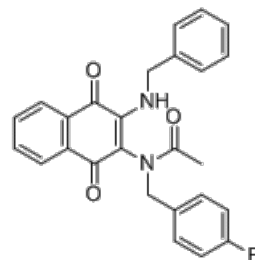
Cat No. : M14216

CAS Number : 355406-76-7

Molecular Formula : C₂₆H₂₁FN₂O₃

Formula Weight : 428.46

Chemical Name : N-(3-(benzylamino)-1,4-dioxo-1,4-dihydronaphthalen-2-yl)-N-(4-fluorobenzyl)acetamide



Description : RIPGBM is a cell type-selective, small molecule inducer of apoptosis in GBM cancer stem cells (CSCs) with EC₅₀ of 220 nM (GBM 1 cells); RIPGBM is converted to an apoptosis-inducing derivative (cRIPGBM/RIPGBM-18) selectively in GBM CSCs; cRIPGBM induces apoptosis in GBM CSCs by interacting with RIPK2; significantly suppress tumor formation in vivo in orthotopic intracranial GBM CSC tumor xenograft mouse model.

Pathway : Apoptosis

Target : RIP kinase

Receptor : RIP kinase

Solubility : —

SMILES : CC(=O)N(CC1=CC=C(C(=C1)F)C2=C(C(=O)C3=CC=CC=C3C2=O)NCC4=CC=CC=C4

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Lucki NC, et al. Proc Natl Acad Sci U S A. 2019 Mar 7. pii: 201816626. doi: 10.1073/pnas.1816626116.