

Product Name : PI3K δ inhibitor 52

Synonyms : —

Cat No. : M12995

CAS Number : 1911564-39-0

Molecular Formula : C₂₂H₂₀F₃N₇O₂

Formula Weight : 471.44

Chemical Name : 2-(4-acetyl-3,3-dimethyl-2-oxopiperazin-1-yl)-4-(4-amino-5-(trifluoromethyl)pyrrolo[2,1-f][1,2,4]triazin-7-yl)benzonitrile

Description : A potent, selective, and efficacious PI3K δ inhibitor with IC₅₀ of 1.7 nM, >100-fold selectivity over PI3K $\gamma/\alpha/\beta$; shows potent activity in mouse arthritis models.

Pathway : PI3K/Akt/mTOR signaling

Target : PI3K

Receptor : PI3K

Solubility : —

SMILES : CC(=O)N1CCN(C(=O)C1(C)C)C2=C(C=CC(=C2)C3=CC(=C4N3N=CN=C4N)C(F)(F)F)C#N

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Liu Q, et al. J Med Chem. 2017 Jun 22;60(12):5193-5208.

