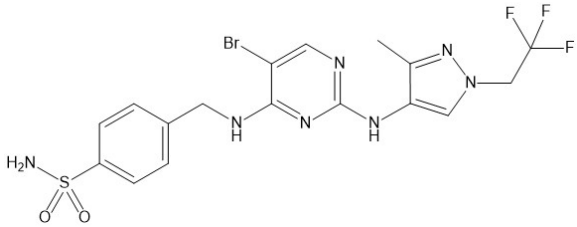
GSK8612, TBK1 inhibitor (highly selective)

Catalog	Unit
TBI4693-5MG	5 mg
TBI4693-25MG	25 mg

Product Details

Formal Name: 4-[[[5-Bromo-2-[[3-methyl-1-(2,2,2-trifluoroethyl)pyrazol-4-yl]amino]pyrimidin-4-yl]amino]methyl]benzenesulfonamide
Molecular Formula: $C_{17}H_{17}F_3N_7O_2S$
Formula Weight: 520.30
CAS Number: 2361659-62-1
Purity: >98%
Formulation: powder
Solubility: Soluble in DMSO (up to 20 mg/ml)
Storage: -20°C
Stability: ≥ 1 year.



Applications

TBK1 inhibitor (highly selective)

Functions

Highly selective and potent (avg. pIC50 = 6.8 versus recombinant TBK1) inhibitor of Tank-binding Kinase-1 (TBK1) with higher affinity for unactivated TBK1. It inhibited phosphorylation of IRF3 (pIC50 = 6.0), inhibited the release of IFNa from human PBMC's (pIC50 = 6.1), and inhibited IFNb secretion from THP-1 cells (pIC50 = 5.8 dsDNA virus, 6.3 cGAMP stilmulated cells).

Application Procedures

First dissolved in DMSO (up to 20 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.

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