



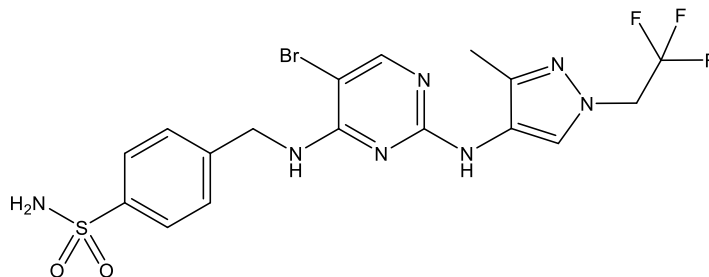
Catalog # 10-4693

GSK8612

CAS# 2361659-62-1

4-[[[5-Bromo-2-[[3-methyl-1-(2,2,2-trifluoroethyl)pyrazol-4-yl]amino]pyrimidin-4-yl]amino]methyl]benzenesulfonamide

Lot # FBA7143



GSK8612 is a highly selective and potent (avg. pIC_{50} = 6.8 versus recombinant TBK1) inhibitor of Tank-binding Kinase-1 (TBK1) with higher affinity for unactivated TBK1. It inhibited phosphorylation of IRF3 (pIC_{50} = 6.0), inhibited the release of IFN α from human PBMC's (pIC_{50} = 6.1), and inhibited IFN β secretion from THP-1 cells (pIC_{50} = 5.8 dsDNA virus, 6.3 cGAMP stimulated cells).

- 1) Thomson *et al.* (2019), *Discovery of a GSK8612, a Highly Selective and Potent TBK1 Inhibitor*; ACS Med. Chem. Lett., **10** 780

PHYSICAL DATA

Molecular Weight:	520.33
Molecular Formula:	C ₁₇ H ₁₇ BrF ₃ N ₇ O ₂ S
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (20 mg/ml)
Physical Description:	Beige solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

Materials provided by Focus Biomolecules are for laboratory research use only and are not intended for human or veterinary applications.

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