

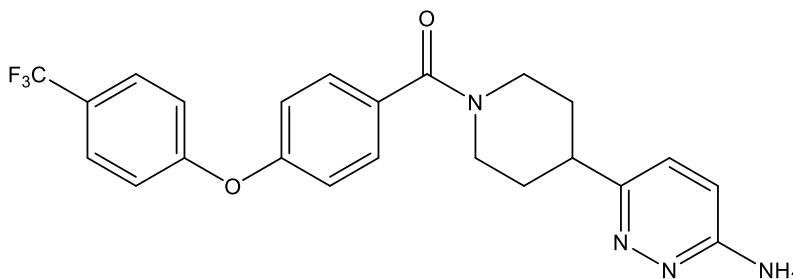
Catalog # 10-4318

BI 749327

CAS# 2361241-23-6

[4-(6-Aminopyridazin-3-yl)piperidin-1-yl]-[4-[4-(trifluoromethyl)phenoxy]phenyl]methanone

Lot # FBS2193



BI 749327 is a potent ($IC_{50} = 13$ nM mouse TRPC6, 19 nM human TRPC6) and selective (85-fold over TRPC3, 42-fold over TRPC7) orally available blocker of TRPC6.¹ It suppressed interstitial fibrosis and associated molecular signaling in mouse heart and kidney disease models. BI 749327 reversed established pulmonary hypertension by 50% via regression of pulmonary remodeling in a mouse model.²

- 1) Lin *et al.* (2019) *In vivo selective inhibition of TRPC6 by antagonist BI 749327 ameliorates fibrosis and dysfunction in cardiac and renal disease*; Proc. Natl. Acad. Sci. USA **116** 10156
- 2) Jain *et al.* (2021) *TRPC6, a therapeutic target for pulmonary hypertension*; Am. J. Physiol. Lung Cell. Mol. Physiol. **321** L1161

PHYSICAL DATA

Molecular Weight:	442.44
Molecular Formula:	C ₂₃ H ₂₁ F ₃ N ₄ O ₂
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (25 mg/mL)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 2 months.

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