

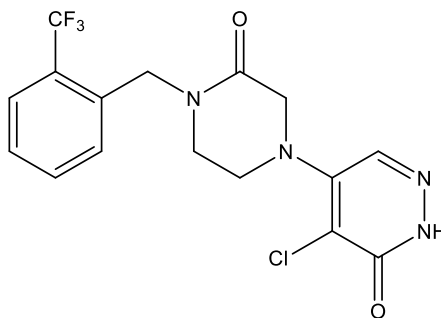
Catalog # 10-4270

GFB-8438

CAS# 2304549-73-1

4-Chloro-5-(3-oxo-4-[[2-(trifluoromethyl)phenyl]methyl]piperazin-1-yl)-2,3-dihydropyridazin-3-one

Lot # FBS4001



GFB-8438 is a potent (IC_{50} = 180 nM Qpatch and 280 nM whole cells) and selective inhibitor of TRPC4 and 5.¹ It displayed excellent selectivity against other TRP family members as well as NaV1.5, 50 kinases and 87 other receptor targets along with good pharmacokinetic properties. GFB-8438 protected mouse podocytes from injury induced by protamine sulfate and demonstrated efficacy in a hypertensive DOCA-salt rat model suggesting potential therapeutic use for the treatment of chronic kidney disease.

- 1) Yu *et al.* (2019), *Discovery of a Potent and Selective TRPC5 Inhibitor, Efficacious in a Focal Segmental Glomerulosclerosis Model*; ACS Med. Chem. Lett. **10** 1579

PHYSICAL DATA

Molecular Weight:	386.76
Molecular Formula:	C ₁₆ H ₁₄ ClF ₃ N ₄ O ₂
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (>25 mg/ml)
Physical Description:	Off-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 3 months.

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