

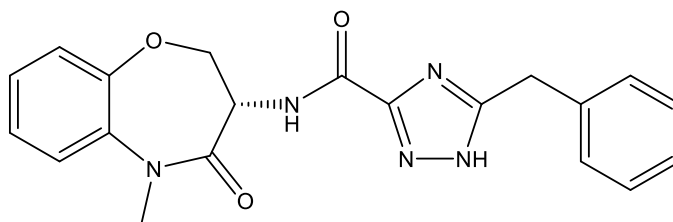
Catalog # 10-4792

GSK2982772

CAS# 1622848-92-3

(S)-5-Benzyl-N-(5-methyl-4-oxo-2,3,4,5-tetrahydrobenzo[b][1,4]oxazepin-3-yl)-4H-1,2,4-triazole-3-carboxamide

Lot # JKM1282



GSK2982772 is a highly selective inhibitor of Receptor-interacting Protein 1 kinase (RIP1); $IC_{50} = 1.6 \text{ nM}$.¹ Novel anti-inflammatory agent previously in clinical trials for psoriasis, rheumatoid arthritis, and ulcerative colitis.^{2,3}

- 1) Harris et al. (2017), *Discovery of a First-in-Class Receptor Interacting Protein 1 (RIP1) Kinase Specific Clinical Candidate (GSK2982772) for the Treatment of Inflammatory Diseases*; J. Med. Chem. **60** 1247
- 2) Weisel et al. (2017), *Randomized clinical study of safety, pharmacokinetics, and pharmacodynamics of RIPK1 inhibitor GSK2982772 in healthy volunteers*; Pharmacol. Res. Perspect. **5** e00365
- 3) Lu et al. (2020), *RIPK1 inhibitor ameliorates colitis by directly maintaining intestinal barrier homeostasis and regulating following IECs-immuno crosstalk*; Biochem. Pharmacol. **172** 113751

PHYSICAL DATA

Molecular Weight:	377.40
Molecular Formula:	C ₂₀ H ₁₉ N ₅ O ₃
Purity:	>98% HPLC
	NMR: (Conforms)
Solubility:	Soluble in DMSO (>25 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at -20° for up to 1 year from the date of purchase. Store solutions in DMSO at -20°C for up to 1 month.

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