



Product Information

Product ID G733428

CAS No. 1346546-69-7

Chemical Name

Synonym GSK'872

Formula $C_{19}H_{17}N_3O_2S_2$

Formula Wt. 383.5

Melting Point

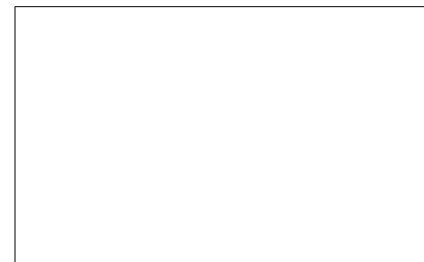
Purity $\geq 98\%$

Solubility

Store Temp -20°C

Ship Temp Ambient

Description GSK'872 is a potent and selective inhibitor of RIPK3 (Receptor-Interacting Serine/Threonine Protein Kinase 3) that prevents RIPK3-mediated phosphorylation of its downstream substrate MLKL, thereby blocking necroptosis execution. Like GSK-843, GSK'872 has been reported to induce caspase-dependent apoptosis in some cellular contexts, requiring careful experimental controls. GSK'872 is widely used as a pharmacological tool to investigate RIPK3 biology, necroptosis pathway mechanisms, and the intersection of programmed cell death pathways.



Pricing and Availability

Bulk quantities available upon request

Product ID	Size	List Price
G733428	5 mg	\$145.00
G733428	25 mg	\$375.00
G733428	100 mg	\$750.00

- References**
1. Mandal P, Berger SB, Pillay S, et al. RIP3 induces apoptosis independent of pronecrotic kinase activity. *Mol Cell*. 2014;56(4):481-95. PMID: 25459880.
 2. Sun L, Wang H, Wang Z, et al. Mixed lineage kinase domain-like protein mediates necrosis signaling downstream of RIP3 kinase. *Cell*. 2012;148(1-2):213-27. PMID: 22265413.
 3. He S, Wang L, Miao L, et al. Receptor interacting protein kinase-3 determines cellular necrotic response to TNF-alpha. *Cell*. 2009;137(6):1100-11. PMID: 19524512.
 4. Zhang DW, Shao J, Lin J, et al. RIP3, an energy metabolism regulator that switches TNF-induced cell death from apoptosis to necrosis. *Science*. 2009;325(5938):332-6. PMID: 19498109.
 5. Galluzzi L, Vitale I, Aaronson SA, et al. Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. *Cell Death Differ*. 2018;25(3):486-541. PMID: 29362479.

Caution: This product is intended for laboratory and research use only. It is not for human or drug use.