



## Product Information

Product ID G733426

CAS No. 1601496-05-2

Chemical Name

Synonym

Formula  $C_{19}H_{15}N_5S_2$

Formula Wt. 377.5

Melting Point

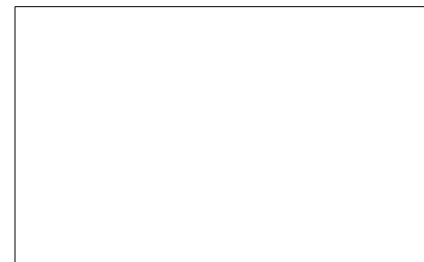
Purity  $\geq 98\%$

Solubility

Store Temp  $-20^{\circ}\text{C}$

Ship Temp Ambient

**Description** GSK-843 (GSK843) is a potent and selective type II kinase inhibitor of RIPK3 (Receptor-Interacting Serine/Threonine Protein Kinase 3), the central kinase in the necroptosis signaling pathway. By binding RIPK3 in its DFG-out (inactive) conformation, GSK-843 prevents RIPK3-mediated phosphorylation of MLKL and blocks necroptotic cell death. Caution: GSK-843 can induce apoptosis in certain cell types due to conformational changes that promote RIPK1-caspase-8 interactions. It is used as a research tool to study RIPK3-MLKL necroptosis signaling.



## Pricing and Availability

*Bulk quantities available upon request*

| Product ID | Size  | List Price |
|------------|-------|------------|
| G733426    | 1 mg  | \$65.00    |
| G733426    | 5 mg  | \$195.00   |
| G733426    | 25 mg | \$650.00   |

- 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. Cho YS, Challa S, Moquin D, et al. Phosphorylation-driven assembly of the RIP1-RIP3 complex regulates programmed necrosis and virus-induced inflammation. *Cell*. 2009;137(6):1112-23. PMID: 19524513.
  5. Degterev A, Huang Z, Boyce M, et al. Chemical inhibitor of nonapoptotic cell death with therapeutic potential for ischemic brain injury. *Nat Chem Biol*. 2005;1(2):112-9. PMID: 16408008.

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