



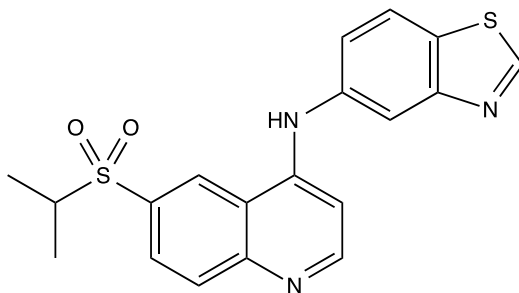
**Catalog # 10-4861**

**GSK872**

**CAS# 1346546-69-7**

N-(6-Propan-2-ylsulfonylquinolin-4-yl)-1,3-benzothiazol-5-amine; GSK2399872A

Lot # FBS2051



GSK 872 is a potent ( $IC_{50}$  = 1.8nM domain binding;  $IC_{50}$  = 1.3 nM kinase activity) and selective inhibitor of receptor interacting protein 3 (RIP3).<sup>1</sup> It is able to prevent necroptosis, virus-induced necrosis, and TLR3-induced necrosis.<sup>1,2</sup> GSK872 can induce Caspase8-mediated apoptosis at higher concentrations (e.g. 3  $\mu$ M).<sup>2</sup>

- 1) Kaiser *et al.* (2013) *Toll-like receptor 3-mediated necrosis via TRIF, RIP3, and MLKL*; J.Biol.Chem. **288** 31279
- 2) Mandal *et al.* (2014) *RIP3 induces apoptosis independent of pro-necrotic kinase activity*; Mol.Cell **56** 481

#### **PHYSICAL DATA**

|                        |  |
|------------------------|--|
| Molecular Weight:      | 383.49   |
| Molecular Formula:     | C <sub>19</sub> H <sub>17</sub> N <sub>3</sub> O <sub>2</sub> S <sub>2</sub>   |
| Purity:                | >98% by HPLC   |
|                        | NMR: (Conforms)  |
| Solubility:            | DMSO (>25 mg/ml)   |
| Physical Description:  | Off-white/pale yellow solid  |
| Storage and Stability: | Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month. |

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