

## GSK583, RIP2 kinase inhibitor

Catalog	Unit
TBI4761-10MG	10mg
TBI4761-50MG	50mg

### Product Details

**Formal Name:** 6-tert-Butylsulfonyl-N-(5-fluoro-1H-indazol-3-yl)quinoline-4-amine

**Molecular Formula:** C<sub>20</sub>H<sub>19</sub>FN<sub>4</sub>O<sub>2</sub>S

**Formula Weight:** 398.40

**CAS Number:** 1346547-00-9

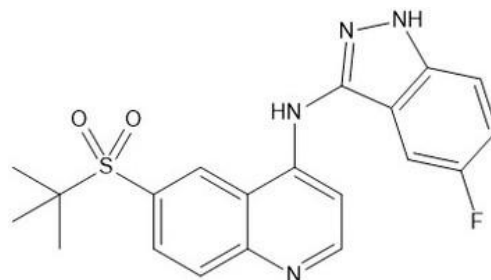
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 25 mg/ml)

**Storage:** -20°C

**Stability:** ≥ 1 year.



### Applications

RIP2 kinase inhibitor

### Functions

GSK583 (1346547-00-9) is a highly selective and potent inhibitor of RIP2 kinase, IC<sub>50</sub> = 5 nM human and IC<sub>50</sub> = 2 nM rat. It also potently inhibits isolated RIP3 kinase (IC<sub>50</sub> = 5 nM) but is inactive against RIP3 in cellular assays due to a very low K<sub>M</sub>,ATP. GSK583 blocks NOD2 signaling by interfering with XIAP-RIP2 binding resulting in decreased cytokine and chemokine production.

### Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

**For research use only.**