

## GSK-3787, PPAR $\delta$ antagonist

Catalog	Unit
TBI1001-5MG	5 mg
TBI1001-25MG	25 mg

### Product Details

**Formal Name:** 4-Chloro-N-(2-([5-(trifluoromethyl)-2-pyridyl]sulfonyl)ethyl)benzamide

**Molecular Formula:** C<sub>15</sub>H<sub>12</sub>ClF<sub>3</sub>N<sub>2</sub>O<sub>3</sub>S

**Formula Weight:** 392.80

**CAS Number:** 188591-46-0

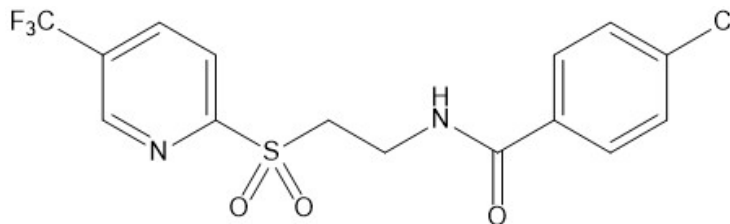
**Purity:** >98%

**Formulation:** powder

**Solubility:** Soluble in DMSO (up to 30 mg/ml).

**Storage:** -20°C

**Stability:**  $\geq$  1 year.



### Applications

PPAR $\delta$  antagonist

### Functions

Selective and irreversible antagonist of peroxisome proliferator-activated receptor beta/delta (PPAR $\beta/\delta$ ) (pIC<sub>50</sub> = 6.6), but not PPAR $\alpha$  or  $\gamma$ . It covalently binds to Cys 249 in the PPAR $\beta/\delta$  binding site. When applied topically, GSK-3787 showed efficacy against an inflammatory skin disease resembling psoriasis in mice. Suppresses colorectal cancer tumorigenesis in Apc( $\delta$ 580) mice.

### Application Procedures

First dissolved in DMSO (up to 30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 3 months.

**For research use only.**