

Fasnall HCl, Fatty acid synthase inhibitor

Catalog	Unit
TBI1613-5MG	5 mg
TBI1613-25MG	25 mg

Product Details

Formal Name: 5,6-Dimethyl-N-[1-(phenylmethyl)-3-pyrrolidinyl]thieno[2,3-d]pyrimidin-4-amine benzenesulfonate hydrochloride

Molecular Formula: C₁₉H₂₂N₄S HCl

Formula Weight: 374.93

CAS Number: 929978-58-5

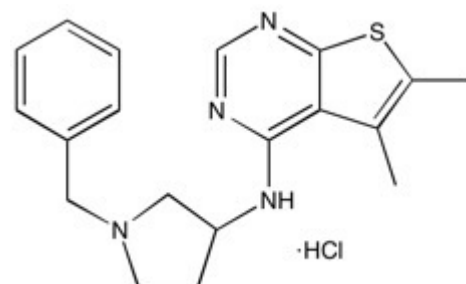
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml) or in Water (up to 45 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

Fatty acid synthase inhibitor

Functions

A potent and selective fatty acid synthase (FASN) inhibitor acting via interfering with cofactor binding.

IC₅₀s = 147 and 213 nM respectively for inhibition of acetate and glucose incorporation into total lipids in HepG2 cells.

IC₅₀=5.84 μM in an isolated enzyme assay. Displays potent antitumor activity in the MMTV-Neu HER2+ breast cancer model. Reduces HIV-1 virion production by 90% (EC₅₀=213 nM).

Application Procedures

First dissolved in DMSO (up to 25 mg/ml) or in Water (up to 45 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or distilled water may be stored at -20°C for up to 3 months.

For research use only.