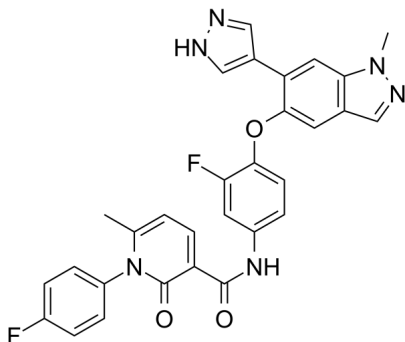


Data Sheet

Product Information

Catalog Number	BP10234
Product Name	Merestinib
Description	LY2801653 is an orally available, small molecule inhibitor of the proto-oncogene c-Met (K _i : 2 nM) with potential antineoplastic activity. LY2801653 selectively binds to c-Met, thereby inhibiting c-Met phosphorylation and disrupting c-Met signal transduction pathways. This may induce cell death in tumor cells overexpressing c-Met protein or expressing the constitutively activated c-Met protein.
Targets&IC50	Met: 2 nM(K _i)
In vitro	2×10 ³ DU145 cells/well on poly-D-lysine 96-well black/clear plates are treated with LY2801653 (in 0.4 % DMSO), immediately followed by the addition of human HGF (20 ng/ml), and incubated for 48 h at 37 °C. 2 % formaldehyde fixed cells are stained with AlexaFluor 488 Phalloidin and counterstained with Propidium Iodide. Colony counts are quantified on Acumen Explorer laser-scanning fluorescence microplate cytometer. A colony is defined as ≥4 cells.(Only for Reference)
Synonyms	LY2801653
CAS No.	1206799-15-6
Chemical Formula	C ₃₀ H ₂₂ F ₂ N ₆ O ₃
Molecular Weight	552.542
Solubility	H ₂ O: <1 mg/mL Ethanol: 93 mg/mL (168.3 mM); DMSO: 93 mg/mL (168.3 mM)

Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

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