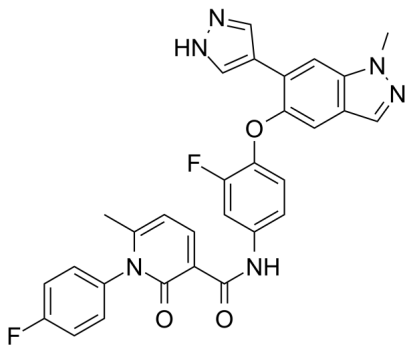


## Certificate of Analysis

Catalog Number	BP10234
Product Name	Merestinib

## Physical and Chemical Properties

Synonyms	LY2801653
CAS No.	1206799-15-6
Chemical Formula	C <sub>30</sub> H <sub>22</sub> F <sub>2</sub> N <sub>6</sub> O <sub>3</sub>
Molecular Weight	552.542
Solubility	H <sub>2</sub> 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	

## Product Information

Description	LY2801653 is an orally available, small molecule inhibitor of the proto-oncogene c-Met (Ki: 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(Ki)
In vitro	2×10 <sup>3</sup> 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)

## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

v2 Revision on 12/28/2022