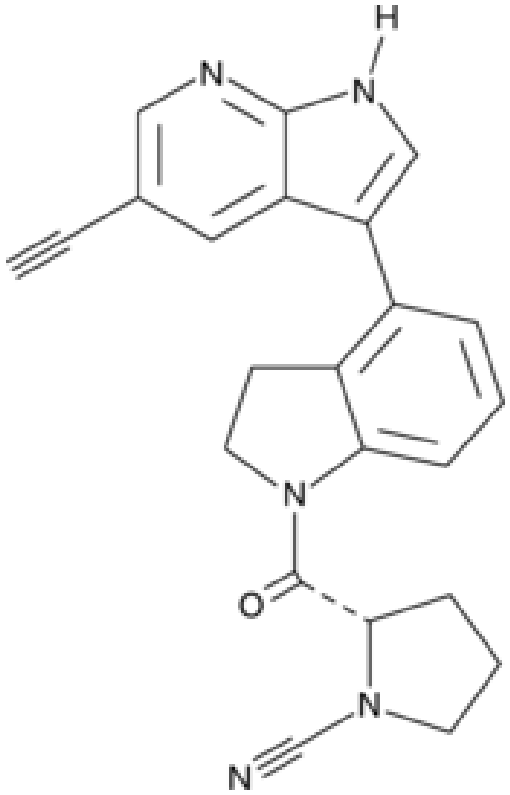
# Product Data Sheet

Product Name: IMP-1710
Cat. No.: GC48614

## Chemical Properties

| | | | |
|---|---|---|---|
| Cas. No. | 2383117-96-0 | | |
| SMILES | O=C([C@H]1N(C#N)CCC1)N2C3=CC=CC(C(C4=C5)=CNC4=NC=C5C#C)=C3CC2 | | |
| Formula | C23H19N5O | M.Wt | 381.4 |
| Solubility | Chloroform: 10 mg/ml,Ethanol: 5 mg/ml | Storage | -20°C |
| General tips | For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months. | | |
| Shipping Condition | Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request. | | |

Structure




## Background

# Product Data Sheet

IMP-1710 is an inhibitor of ubiquitin C-terminal hydrolase L1 (UCH-L1; $IC_{50}$ = 38 nM in a fluorescence polarization assay) that contains an alkyne moiety for use in click chemistry reactions.[1] It is selective for UCH-L1 over a panel of 20 deubiquitinating enzymes at 1 µM. IMP-1710 inhibits TGF-β1-induced fibroblast-to-myofibroblast transition (FMT) in primary lung fibroblasts isolated from patients with idiopathic pulmonary fibrosis ($IC_{50}$ = 740 nM). It has been used for labeling UCH-L1 in cell-based assays, followed by click reactions with azide-modified TAMRA and biotin capture reagents.

1.Panyain, N., Godinat, A., Lanyon-Hogg, T., et al.Discovery of a potent and selective covalent inhibitor and activity-based probe for the deubiquitylating enzyme UCHL1, with antifibrotic activityJ. Am. Chem. Soc.142(28)12020-12026(2020)

***Caution: Product has not been fully validated for medical applications. For research use only.***
***Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com***
***Address: 10292 Central Ave. #205, Montclair, CA, USA***