

Product Datasheet

HM-61713

Catalog No. **BP-02482** · CAS **1353550-13-6** · Form **free base** · Physical state **solid** · Color **Light yellow to yellow** · Version **1.0**
· Revision **2026-09-10**

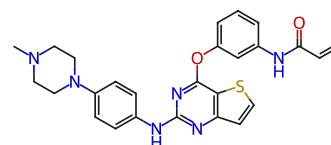
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Target EGFR	Research area Cancer
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Molecular formula **C₂₆H₂₆N₆O₂S**

Molecular weight **486.5890**

STRUCTURE



DESCRIPTION

Olmutinib (HM61713; BI-1482694) is an orally active and irreversible third EGFR tyrosine kinase inhibitor that binds to a cysteine residue near the kinase domain. Olmutinib is used for NSCLC .

BIOLOGICAL ACTIVITY

In Vitro

Olmutinib potently inhibits EGFR in HCC827 cells expressing EGFRDEL19 (IC₅₀=9.2 nM) and H1975 cells expressing EGFR L858R/T790M (IC₅₀=10 nM). In contrast, the IC₅₀ of olmutinib against cells expressing EGFRWT is 2225 nM.

SOLUBILITY

Soluble in DMSO

REFERENCES

- [1]. Kim ES, et al. Olmutinib: First Global Approval. *Drugs*. 2016 Jul;76(11):1153-7.
- [2]. Mohamed W. Attwa, et al. Detection and characterization of olmutinib reactive metabolites by LC-MS/MS: Elucidation of bioactivation pathways. *Journal of Separation science*. 18 November 2019.

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