

Product Data Sheet

Product Name: EGFR/AURKB-IN-1

Cat. No.: GC73753

Chemical Properties

Cas. No. 3008543-34-5

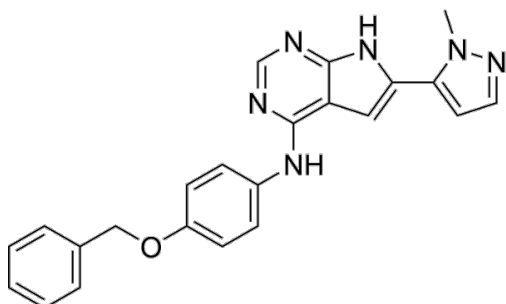
Formula $C_{23}H_{20}N_6O$ M.Wt 396.44

Solubility DMSO : 100 mg/mL (252.24 mM; Storage -20°C
Need ultrasonic)

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

Caution: Product has not been fully validated for medical applications. For research use only.

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EGFR/AURKB-IN-1 (compound 7) is a dual-targeted EGFR/AURKB inhibitor, and inhibits the phosphorylations of L858R EGFR and AURKB with IC₅₀s of 0.07 and 1.1, respectively.

EGFR/AURKB-IN-1 occupies the hydrophobic region I or the α C-helix out pocket of EGFR and the back pocket of AURKB, inhibiting the growth, division and metastasis of tumor cells, thus can be used for cancer research.

References:

[1]. Kurup S, et al. Design, synthesis, and evaluation of dual EGFR/AURKB inhibitors as anticancer agents for non-small cell lung cancer. Bioorg Med Chem Lett. 2024 Jan 8:129612.

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