

Product Data Sheet

Product Name: EAI001
Cat. No.: GC66432

Chemical Properties

Cas. No. 892772-75-7

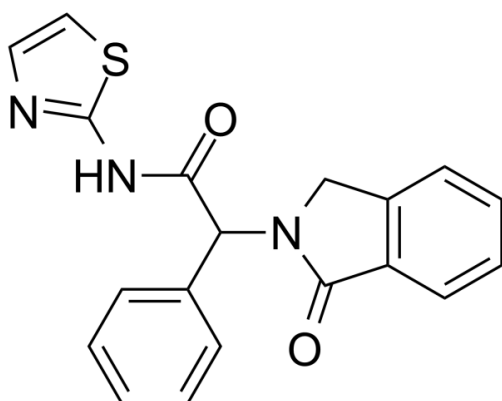
Formula $C_{19}H_{15}N_3O_2S$ M.Wt 349.41

Solubility Storage 4°C, away from moisture and light

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

EAI001 is a potent, selective mutant **epidermal growth factor receptor (EGFR)** allosteric inhibitor with an **IC₅₀** value of 24 nM for EGFR L858R/T790M. EAI001 can be used for research of cancer^{[1][2]}.

EAI001 (50 μM) binds to EGFR T790M/C797S/V948R that lies deep inside the EGFR towards the ATP binding site and C-helix. EAI001 showed inhibitory activity due to hydrophobic interaction with amino acid Ile759, Leu747, Leu788, Leu777 and Met766^[1].

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

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