

Product Data Sheet

Product Name: AI-10-47

Cat. No.: GC62250

Chemical Properties

Cas. No. 1256094-31-1

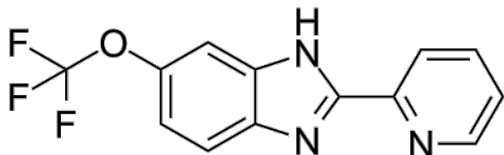
Formula $C_{13}H_8F_3N_3O$ M.Wt 279.22

Solubility DMSO : 100 mg/mL (358.14 mM; Need ultrasonic) Storage 4°C, protect from 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

AI-10-47 is a small molecule inhibitor of CBFβ-RUNX binding, with an IC₅₀ of 3.2 μM[1].

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

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AI-10-47 (10 μ M) weakly inhibits CBF β -RUNX binding[1]. AI-10-47 significantly inhibits ME-1, TUR, M0-91, THP-1 and U937 cell growth[1].

[1]. Anuradha Illendula, et al. Small Molecule Inhibitor of CBF β -RUNX Binding for RUNX Transcription Factor Driven Cancers. EBioMedicine. 2016 Jun;8:117-131.

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