

Product Data Sheet

Product Name: ARUK2010489

Cat. No.: GC79176

Chemical Properties

Cas. No.

Formula $C_{23}H_{30}N_6O$ M.Wt 406.52

Solubility DMSO: 100 mg/mL (245.99 mM; Need ultrasonic) Storage Store at -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

ARUK2010489 (Compound 23) is a potent, selective and brain-penetrant NUA1 inhibitor with a pIC₅₀ of 8.7. ARUK2010489 also inhibits CDK2, CDK4 and CDK6 activity, with inhibitory rate of 7%, 39% and 26% at 1 μM. ARUK2010489 can be used for the research of neurological disease, such as Alzheimer's disease (AD) [1].

References:

[1]. Gregory G. et al. Development of Purine and Pyrrolopyrimidine Scaffolds as Potent, Selective,

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

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and Brain Penetrant NUA1 Inhibitors ACS Medicinal Chemistry Letters Article ASAP

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