

Catalog	Unit
TBI4599-5MG	5 mg
TBI4599-25MG	25 mg

Product Details

Formal Name: N-[2-(Cyclohexylamino)-1-(2-methylphenyl)-2-oxoethyl]-N-(3-fluorophenyl)-2-methyl-1H-imidazole-1-acetamide

Molecular Formula: C₂₇H₃₁FN₄O₂

Formula Weight: 462.56

CAS Number: 1355326-35-0

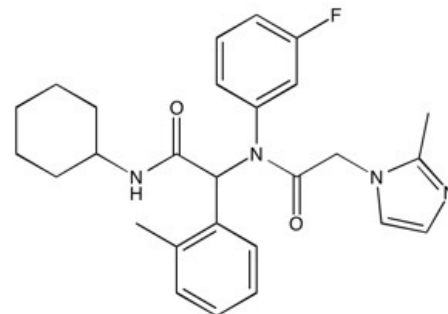
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 10 mg/ml) or in Ethanol (up to 5 mg/ml)

Storage: -20°C

Stability: ≥ 1 year.



Applications

R132 mutant isocitrate dehydrogenase inhibitor

Functions

AGI-5198 is a potent (IC₅₀ = 70 nM) inhibitor of mutant isocitrate dehydrogenase 1 (IDH1). It is selective for the R132H-IDH1 mutant and does not affect wild type cells. This mutation results in loss-of-function for oxidative decarboxylation of isocitrate and gain-of-function for production of the oncometabolite R-2-hydroxyglutarate (R-2HG) from alpha-ketoglutarate (2-OG).

Application Procedures

First dissolved in DMSO (up to 10 mg/ml) or in Ethanol (up to 5 mg/ml), then diluted to aqueous buffer. Solutions in DMSO or ethanol may be stored at -20°C for up to 3 months.

For research use only.