

Product Data Sheet

Product Name: UM4118

Cat. No.: GC73994

Chemical Properties

Cas. No. 324530-92-9

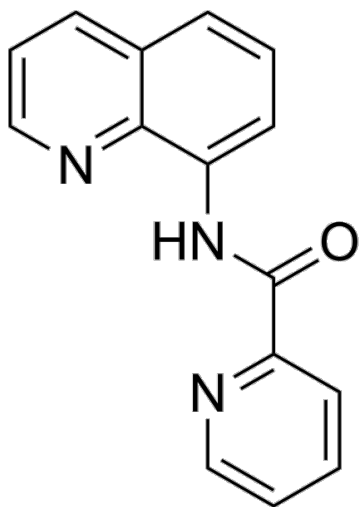
Formula $C_{15}H_{11}N_3O$ M.Wt 249.27

Solubility DMSO : 116.67 mg/mL (468.05 mM; Storage -20°C
ultrasonic and warming and heat to 60°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

UM4118 is a copper ionophore that can initiate a mitochondrial-based noncanonical form of cell death known as cuproptosis. UM4118 exhibits high sensitivity in SF3B1-mutated and adverse risk acute myeloid leukemia (AML), and can be used for AML research.

References:

[1]. Moison C, et al. SF3B1 mutations provide genetic vulnerability to copper ionophores in human

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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acute myeloid leukemia. Sci Adv. 2024;10(12):eadl4018.

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