

Product Data Sheet

Product Name: Aumitin
Cat. No.: GC62853

Chemical Properties

Cas. No. 946293-78-3

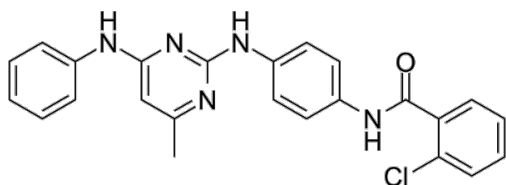
Formula $C_{24}H_{20}ClN_5O$ M.Wt 429.9

Solubility DMSO : 100 mg/mL (232.61 mM; Storage
Need ultrasonic)

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

Aumitin is a diaminopyrimidine-based autophagy inhibitor which inhibits mitochondrial respiration by

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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targeting complex I. Aumitin inhibits starvation- and rapamycin induced autophagy dose dependently with IC50s of 0.12 μ M and 0.24 μ M, respectively[1].

[1]. Robke L, et al. Discovery of the novel autophagy inhibitor aumitin that targets mitochondrial complex I. Chem Sci. 2018 Feb 26;9(11):3014-3022.

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