

Product Data Sheet

Product Name: GGTI-2417

Cat. No.: GC73980

Chemical Properties

Cas. No. 501010-05-5

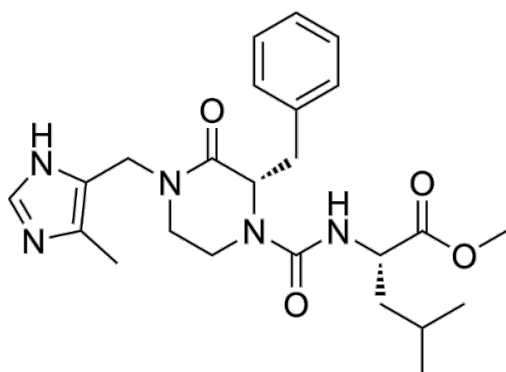
Formula $C_{24}H_{33}N_5O_4$ M.Wt 455.55

Solubility Methanol : 125 mg/mL (274.39 mM; Need ultrasonic); DMSO : 100 mg/mL (219.51 mM; Need ultrasonic) Storage -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

GGTI-2417 is a potent and selective inhibitor of GGTase I. GGTI-2417 inhibits the Cdk2-mediated phosphorylation of p27^{Kip1} at Thr187 and accumulates p27^{Kip1} in the nucleus. GGTI-2417 also induces breast cancer cell apoptosis^[1].

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

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References:

[1]. Kazi A, et al. Blockade of protein geranylgeranylation inhibits Cdk2-dependent p27Kip1 phosphorylation on Thr187 and accumulates p27Kip1 in the nucleus: implications for breast cancer therapy. Mol Cell Biol. 2009 Apr;29(8):2254-63.

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