

Product Data Sheet

Product Name: CK37
Cat. No.: GC81684

Chemical Properties

Cas. No. 1001478-90-5

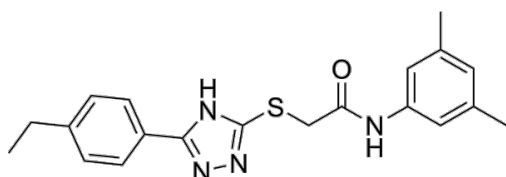
Formula $C_{20}H_{22}N_4OS$ M.Wt 366.48

Solubility 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

CK37 is a competitive choline kinase- α inhibitor. CK37 inhibits purified recombinant human choline kinase- α activity. CK37 suppresses MAPK and PI3K/AKT signaling, disrupts actin cytoskeletal organization. CK37 diminishes activating phosphorylations of ERK. CK37 exhibits anticancer activity against cervical cancer, melanoma, Lewis lung carcinoma, lung adenocarcinoma, breast cancer, and leukemia [1].

References:

[1]. Clem BF, et al. A novel small molecule antagonist of choline kinase- α that simultaneously

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

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suppresses MAPK and PI3K/AKT signaling. Oncogene. 2011 Jul 28;30(30):3370-80.

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