
Product Data Sheet

Product Name: CRT 0105950

Cat. No.: GC50404

Chemical Properties

Cas. No. 1661845-86-8

SMILES C1C=C(C2=CN=CC=C2C3=CN=C(NC4=CC=C(O)C=C4)S3)C=CC(C)=C1Formula C₂₁H₁₆ClN₃OS M.Wt 393.89

Solubility Soluble in DMSO 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**

Potent LIMK1/2 inhibitor (IC₅₀ values are 0.3 and 1 nM at LIMK 1 and 2, respectively). Disrupts microtubule organization, inhibits cofilin phosphorylation and increases α -tubulin acetylation in vitro.

Charles et al (2015) Discovery, development, and SAR of aminothiazoles as LIMK inhibitors with cellular anti-invasive properties. J.Med.Chem. 58 8309 PMID:26356364 |Mardilovich et al (2015) LIM kinase inhibitors disrupt mitotic microtubule organization and impair tumor cell proliferation. Oncotarget. 6 38469 PMID:26540348

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