

Product Data Sheet

Product Name: SEC inhibitor KL-2

Cat. No.: GC38561

Chemical Properties

Cas. No. 900308-51-2

SMILES O=C(NC1=CC(Cl)=CC=C1C)/C(O)=C/C(C2=CC=C(F)C=C2)=O

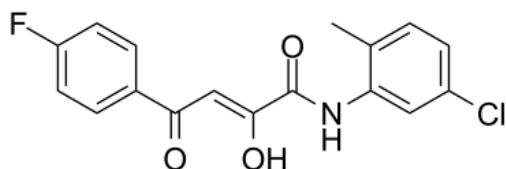
Formula $C_{17}H_{13}ClFNO_3$ M.Wt 333.74

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

SEC inhibitor KL-2 (KL-2), a peptidomimetic lead compound, is a potent, selective super elongation complex (SEC) inhibitor and disrupts the interaction between the SEC scaffolding protein AFF4 and P-TEFb, resulting in impaired release of Pol II from promoter-proximal pause sites and a reduced average rate of processive transcription elongation. SEC inhibitor KL-2 exhibits an dose-dependent inhibitory effect on AFF4-CCNT1 interaction with a K_i of 1.50 μM [1].

[1]. Liang K, et al. Targeting Processive Transcription Elongation via SEC Disruption for MYC-

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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Induced CancerTherapy. Cell. 2018 Oct 18;175(3):766-779.

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