
Product Data Sheet

Product Name: MARK-IN-1

Cat. No.: GC31135

Chemical Properties

Cas. No. 1109283-93-3

SMILES O=C(C1=CC(C2=C3N=CC(C4=CN(C)N=C4)=CN3N=C2)=C(C)S1)N[C@H]5C(F)(F)CCC[C@H]5NFormula C₂₂H₂₃F₂N₇OS

M.Wt 471.53

Solubility DMSO : 100 mg/mL (212.08 mM; Need ultrasonic) 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**

MARK-IN-1 is a potent microtubule affinity regulating kinase (MARK) inhibitor with an IC₅₀ of <0.25 nM.

MARK-IN-1 (Compound 25) is a potent MARK inhibitor. Inhibition of MARK represents a potentially attractive means of arresting neurofibrillary tangle pathology in Alzheimer's disease[1].

[1]. Sloman DL, et al. Optimization of microtubule affinity regulating kinase (MARK) inhibitors with improved physical properties. Bioorg Med Chem Lett. 2016 Sep 1;26(17):4362-6.

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
