
Product Data Sheet

Product Name: CAY10647

Cat. No.: GC18901

Chemical Properties

Cas. No. 1253697-49-2

Chemical Name (4-fluorophenyl)(2-(4-methoxyphenyl)-1H-imidazol-4-yl)methanone

SMILES COC1=CC=C(C2=NC(C(C3=CC=C(F)C=C3)=O)=CN2)C=C1Formula $C_{17}H_{13}FN_2O_2$ M.Wt 296.3

Solubility DMF: 3 mg/ml, DMSO: 3 mg/ml 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**

CAY10647 is an aryl-benzoyl-imidazole which prevents proliferation of multidrug resistant cancer cells in vitro (IC₅₀ = 28-63 nM) and inhibits melanoma xenograph tumor growth in vivo (10-30 mg/kg). This compound also binds to tubulin (K_i = 3.4 μM) and prevents tubulin polymerization.

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