

Product Data Sheet

Product Name: STING Agonist 12L

Cat. No.: GC90784

Chemical Properties

Cas. No. 2913152-30-2

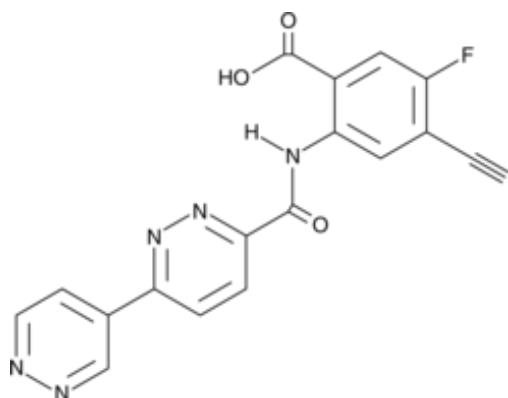
Formula $C_{18}H_{10}FN_5O_3$ M.Wt 363.3

Solubility DMF: 10 mg/ml, DMSO: 10 mg/ml, Ethanol: 5 mg/ml, PBS (pH 7.2): 2 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

STING agonist 12L is an agonist of stimulator of interferon genes (STING).¹ It binds to wild-type STING ($IC_{50} = 1.15 \mu M$), as well as the STING R232, AQ, and Q variants ($IC_{50}s = 1.06, 0.61, \text{ and } 1.12 \mu M$, respectively) and induces reporter gene expression in THP-1 and RAW 264.7 cells ($EC_{50}s = 0.38 \text{ and } 12.94 \mu M$, respectively). STING agonist 12L ($5 \mu M$) induces *IFNB1*, *CXCL10*, and *IL6* mRNA expression in THP-1 cells. *In vivo*, STING agonist 12L (10 mg/kg) increases plasma IFN- β levels and reduces tumor volume and the number of lung metastases in a B16/F10 murine melanoma model.

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