

Product Data Sheet

Product Name: STING Agonist D61

Cat. No.: GC90982

Chemical Properties

Cas. No. 2850251-27-1

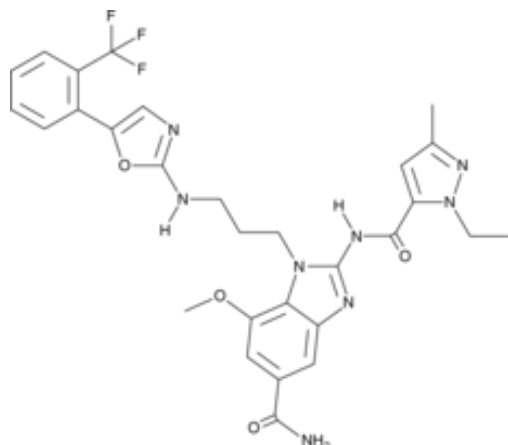
Formula $C_{29}H_{29}F_3N_8O_4$ M.Wt 610.6

Solubility DMSO: Soluble, Methanol: Soluble 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 D61 (D61) is an agonist of stimulator of interferon genes (STING).¹ It induces expression of an IFN3-inducible secreted alkaline phosphatase (SEAP) reporter gene and an IFN-β-inducible reporter gene in cell-based assays (EC_{50} s = 52.9 and 116 nM, respectively). D61 (4, 6, and 8 μM) increases the expression of mRNA encoding IFN-β and chemokine (C-X-C motif) ligand 10 (CXCL10) and phosphorylation of TANK-binding kinase 1 (TBK1), IRF3, and STING in THP-1 monocytes. *In vivo*, D61 (0.25 mg/kg every other day) reduces tumor volume without affecting body weight in a CT26 murine colon cancer model.

Caution: Product has not been fully validated for medical applications. For research use only.

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