

Product Data Sheet

Product Name: KAS 08
Cat. No.: GC52291

Chemical Properties

Cas. No. 203861-20-5

SMILES O=C(C1=CC=C([N+])([O-])=O)C=C1)N2CCC3=CC(S(=O)(N4C(N[C@](C5=CC=CC=C5)([H])C4)=O)=O)=CC=C32

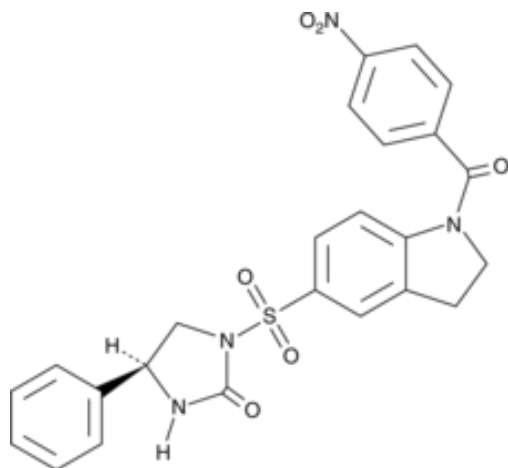
Formula C₂₄H₂₀N₄O₆S M.Wt 492.5

Solubility DMF: 16 mg/mL, DMSO: 12 mg/mL, Ethanol: 12 mg/mL, PBS (pH 7.2): 0.25 mg/mL
Storage -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

KAS 08 is an activator of stimulator of interferon genes (STING).¹ It activates STING with an EC₅₀ value of 0.33 μM in a reporter assay using THP-1 human monocytes. KAS 08 increases the levels of IFN-β and IP-10 in the presence, but not absence, of cGAMP. It reduces the viability of CT26 mouse colorectal cancer cells when used at concentrations ranging from 0.31 to 20 μM. KAS 08 (15 mg/kg),

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when administered in combination with exogenous 2'3'-cGAMP , reduces tumor growth in a CT26 mouse syngeneic model.

1.Jung, H.R., Jo, S., Jeon, M.J., et al.Development of small-molecule STING activators for cancer immunotherapyBiomedicines10(1)33(2022)

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