

Product Data Sheet

Product Name: LB244
Cat. No.: GC91789

Chemical Properties

Cas. No. N/A

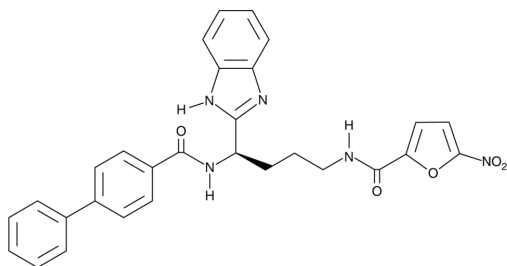
Formula $C_{29}H_{25}N_5O_5$ M.Wt 523.5

Solubility Chloroform: Soluble 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

LB244 is an irreversible STING antagonist.^[1] It binds to STING in a cell-free assay and inhibits STING activation induced by the STING agonist diABZI in cells ($\text{EC}_{50} = 0.8 \text{ nM}$). LB244 ($1 \mu\text{M}$) inhibits diABZI-induced STING oligomerization and phosphorylation of IFN regulatory factor 3 (IRF3) and TANK-binding kinase 1 (TBK1) in primary mouse bone marrow-derived macrophages (BMDMs). *In vivo*, LB244 (5 mg/kg, i.p.) reduces diABZI-induced increases in serum IL-6 and IFN- β levels in mice.

References:

[1]. Barasa, L., Chaudhuri, S., Zhou, J.Y., et al. Development of LB244, an irreversible STING antagonist. *J. Am. Chem. Soc.* 145(37)20273-20288(2023).

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

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