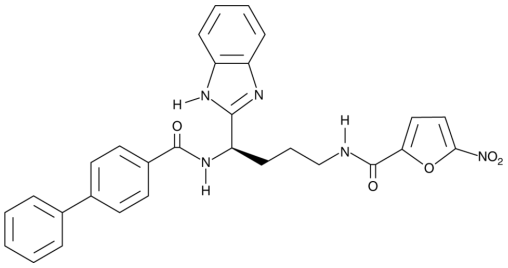
Product Data Sheet

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 (EC_{50} = 0.8 nM). LB244 (1 μM) 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 antagonistJ. Am. Chem. Soc.145(37)20273-20288(2023).

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