
Product Data Sheet

Product Name: M62812
Cat. No.: GC50241

Chemical Properties

Cas. No. 613263-00-6

SMILES NC1=CC=CC=C1OC2=CC=C3C(SN=C3N)=C2.Cl.Cl

Formula C13H11N3OS.2HCl M.Wt 330.23

Solubility 0.1 M HCL : \geq 50 mg/mL (151.41 mM); DMSO : 50 mg/mL Store
(151.41 mM; Need ultrasonic); H₂O : < 0.1 mg/mL Storage at -
(insoluble) 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

TLR4 inhibitor. Inhibits LPS-induced NF- κ B activation in HEK293 cells (IC₅₀ = 2.4 μ g/mL). Also inhibits LPS-induced cytokine production and procoagulant effects in PBMCs and HUVECs. Prolongs survival in a mouse septic shock model.

Nakamura et al (2007) Toll-like receptor 4 signal transduction inhibitor, M62812, suppresses endothelial cell and leukocyte activation and prevents lethal septic shock in mice. Eur.J.Pharmacol. 569 237 PMID:17588563

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

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