

Product Data Sheet

Product Name: NCI 126224

Cat. No.: GC91175

Chemical Properties

Cas. No. 65974-52-9

Formula $C_{12}H_{11}NO_6$ M.Wt 265.2

Solubility DMSO : 125 mg/mL (471.31 mM; Storage Store at -20°C
Need ultrasonic)

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.

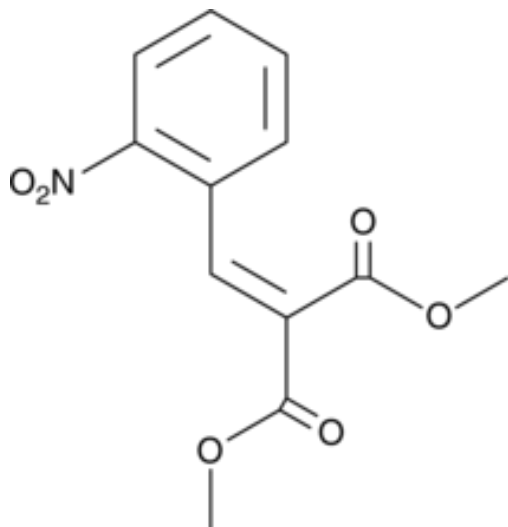
Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

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Structure



Background

NCI 126224 is a toll-like receptor 4 (TLR4) antagonist.¹ NCI 126224 selectively inhibits nitric oxide (NO) production induced by the TLR4 agonist LPS (IC_{50} = 0.31 μ M) over the TLR7/8 agonist R-848, TLR1/2 agonist Pam₃CSK₄, and TLR3 agonist poly(I:C) in RAW 264.7 macrophages but also inhibits NO production induced by the TLR2/6 agonist FSL-1 in the same cells at 0.6 μ M. NCI 126224 inhibits LPS-induced NF- κ B activity in a reporter assay using BV-2 microglial cells and LPS-induced increases in IL-1 β and TNF- α levels in RAW 264.7 macrophages (IC_{50} s = 5.92, 0.42, and 1.54 μ M, respectively).

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