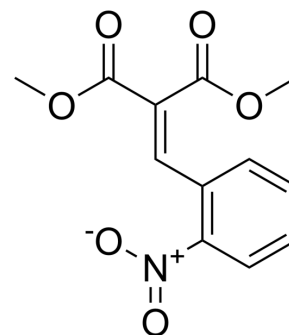


## NCI126224

Cat. No.:	HY-156060		
CAS No.:	65974-52-9		
Molecular Formula:	C <sub>12</sub> H <sub>11</sub> NO <sub>6</sub>		
Molecular Weight:	265.22		
Target:	Toll-like Receptor (TLR)		
Pathway:	Immunology/Inflammation		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (471.31 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.7705 mL	18.8523 mL	37.7045 mL
	5 mM	0.7541 mL	3.7705 mL	7.5409 mL
	10 mM	0.3770 mL	1.8852 mL	3.7705 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

NCI126224 is a TLR4 signaling inhibitor. NCI126224 suppress LPS (HY-D1056)-induced production of NF-κB, TNF-α, IL-1β, and NO in the nanomolar-low micromolar range. NCI126224 can be used for the research of inflammatory diseases<sup>[1]</sup>.

### REFERENCES

[1]. Zhang S, et, al. Selection, synthesis, and anti-inflammatory evaluation of the arylidene malonate derivatives as TLR4 signaling inhibitors. Bioorg Med Chem. 2012 Oct 15;20(20):6073-9.

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

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