

Product Name: GIT 27

Catalog No.: 3270

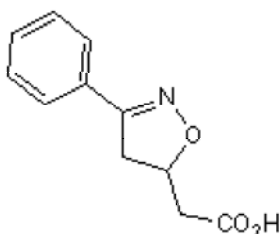
Batch No.: 2

CAS Number: 6501-72-0

IUPAC Name: 4,5-Dihydro-3-phenyl-5-isoxazoleacetic acid

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₁H₁₁NO₃.
Batch Molecular Weight: 205.21
Physical Appearance: Off White solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99.6% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure

Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	64.38	5.4	6.83
Found	64.43	5.38	6.83

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

GIT 27 is an orally active immunomodulatory agent that primarily targets macrophages. Inhibits TNF- α secretion via interference of macrophage toll-like receptor (TLR) 4 and TLR 2/6 signaling pathway. Also reduces the secretion of pro-inflammatory cytokines IL-1- β , IL-10 and IFN- γ . Antidiabetogenic; prevents IL- β and IFN- γ -induced pancreatic islet cell death in vitro.

Physical and Chemical Properties:

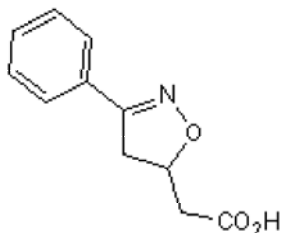
Batch Molecular Formula: C₁₁H₁₁NO₃.

Batch Molecular Weight: 205.21

Physical Appearance: Off White solid

Minimum Purity: \geq 98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Mangano *et al* (2008) *In vitro* inhibition of enterobacteria-reactive CD4+CD25- T cells and suppression of immunoinflammatory colitis in mice by the novel immunomodulatory agent VGX-1027. *Eur.J.Pharmacol.* **586** 313. PMID: 18374912.

Stojanovic *et al* (2007) *In vitro*, *ex vivo* and *in vivo* immunopharmacological activities of the isoxazoline compound VGX-1027: Modulation of cytokine synthesis and prevention of both organ-specific and systemic autoimmune diseases in murine models. *Clin.Immunol.* **123** 311. PMID: 17449326.

Stosic-Grujicic *et al* (2007) A potent immunomodulatory compound (S,R)-3-phenyl-4,5-dihydro-5-isoxasoleacetic acid, prevents spontaneous and accelerated forms of autoimmune diabetes in NOD mice and inhibits the immunoinflammatory diabetes induced by multiple low doses of stre J.*Pharmacol.Exp.Ther.* **320** 1038. PMID: 17148780.

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