
Catalog	Unit
TBI3409-5MG	5 mg
TBI3409-25MG	25 mg

Product Details

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

Alternate Names: GIT 27

Molecular Formula: C₁₁H₁₁NO₃

Formula Weight: 205.2

CAS Number: 6501-72-0

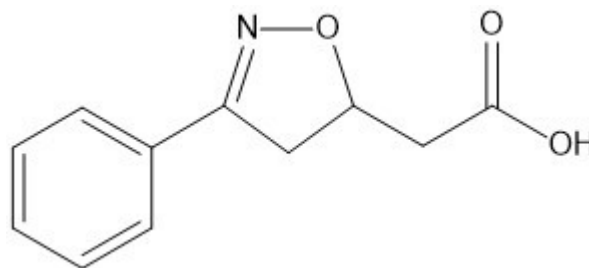
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 30 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

Immunomodulator; Cytokine release inhibitor

Functions

Immunomodulator. Inhibits secretion of IL-1 β , TNF- α , and IL-10 from murine macrophages stimulated with LPS and spares T cell function. Ameliorates the course of acute and chronic immunoinflammatory conditions such as carrageenan-induced pleurisy, LPS-induced lethality and type II collagen-induced arthritis in mouse models. Prevents spontaneous and accelerated forms of autoimmune diabetes in a NOD mouse model. Modulates genes involved in LPS-induced Toll-like receptor 4 activation in a mouse Lupus model. Displays protective effects in particulate matter-induced acute lung injury by blocking TLR4 signaling.

Application Procedures

First dissolved in DMSO (up to 30 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20° for up to 3 months.

For research use only.