

ISO-1, Macrophage migration inhibitory factor (MIF) antagonist

Catalog	Unit
TBI1185-5MG	5 mg
TBI1185-25MG	25 mg

Product Details

Formal Name: (S,R)-3-(4-Hydroxyphenyl)-4,5-dihydro-5-isoxazole acetic acid, methyl ester

Molecular Formula: C₁₂H₁₃NO₄

Formula Weight: 235.24

CAS Number: 478336-92-4

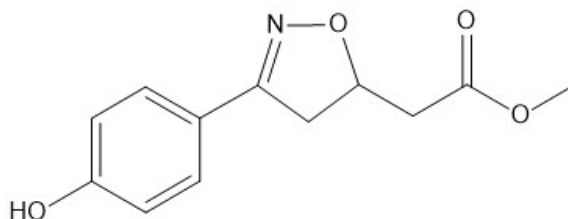
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 25 mg/ml).

Storage: -20°C

Stability: ≥ 2 years.



Applications

Macrophage migration inhibitory factor (MIF) antagonist

Functions

Antagonist of macrophage migration inhibitory factor (MIF, a pro-inflammatory cytokine). Displays anti-inflammatory activity. Increases survival in severe sepsis. Inhibits airway remodeling in mouse asthma model. Blocks MIF-induced autophagy. Active in cellular and mouse models.

Application Procedures

First dissolved in DMSO (up to 25 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 2 months.

For research use only.