

# ISO-1

**Catalog No: tcsc3224**



## Available Sizes

**Size:** 5mg

**Size:** 10mg

**Size:** 50mg



## Specifications

**CAS No:**

478336-92-4

**Formula:**

$C_{12}H_{13}NO_4$

**Pathway:**

Others

**Target:**

Others

**Purity / Grade:**

>98%

**Solubility:**

DMSO :  $\geq 36$  mg/mL (153.04 mM)

**Alternative Names:**

MIF Antagonist

**Observed Molecular Weight:**

235.24

## Product Description

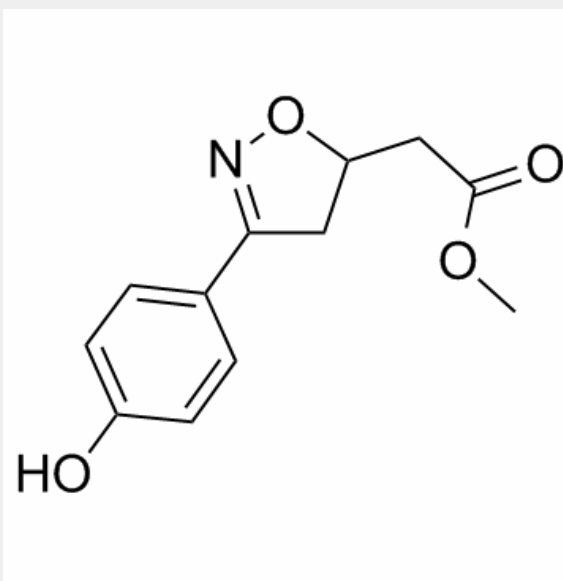
ISO-1 is an inhibitor of MIF d-dopachrome tautomerase activity with an IC<sub>50</sub> of about 7  $\mu$ M.

IC<sub>50</sub> value: 7  $\mu$ M [1]

Target: MIF inhibitor

in vitro: ISO-1 inhibited MIF tautomerase activity in a dose-dependent manner with an IC<sub>50</sub> of about 7  $\mu$ M, but the non-hydroxylated phenyl analog (compound 2) was 10–15 times less potent. In accordance with this potential mechanism(s), treatment of the transfected cells with ISO-1 inhibited the release of arachidonic acid in a dose-dependent manner [1]. ISO-1 significantly inhibits the cytokine activity in vitro. Moreover, ISO-1 inhibits tumor necrosis factor release from macrophages isolated from LPStreated wild type mice but has no effect on cytokine release from MIFdeficient macrophages [2].

in vivo: Administration of ISO-1 resulted in a significant reduction in implant size and vascularity (as assessed by Flk1 mRNA expression) which was not associated with an alteration in the reproductive cycle in mice [3].



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