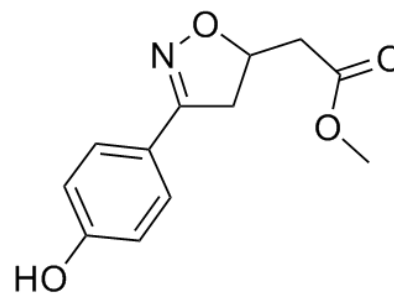


Product Name : ISO-1
Cat. No. : PC-45038
CAS No. : 478336-92-4
Molecular Formula : C₁₂H₁₃NO₄
Molecular Weight : 235.2359
Target : Other Targets
Solubility : DMSO: ≥ 36 mg/mL



Biological Activity

ISO-1 is a potent inhibitor of **Migration inhibitory factor (MIF)** tautomerase activity with IC₅₀ of 7 μM. ISO-1 significantly inhibits the cytokine activity in vitro, inhibits TNF release from macrophages isolated from LPS-treated wild type mice but has no effect on cytokine release from MIF-deficient macrophages. ISO-1 is the first small molecule inhibitor of MIF proinflammatory activities with therapeutic implications.

References

- Lubetsky JB, et al. *J Biol Chem.* 2002 Jul 12;277(28):24976-82.
Al-Abed Y, et al. *J Biol Chem.* 2005 Nov 4;280(44):36541-4.
Adamali H, et al. *Am J Respir Crit Care Med.* 2012 Jul 15;186(2):162-9.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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