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## CERTIFICATE OF ANALYSIS

Product name: **MIF Antagonist, ISO-1**

Cat. number: **VD-NP-00114**

CAS Number: **478336-92-4**

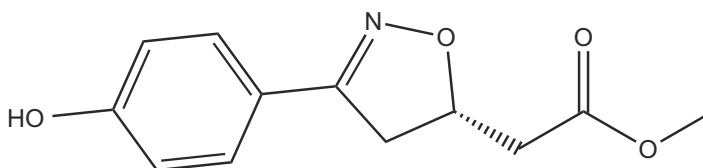
Lot number: **VD033476**

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### Personal protective equipment

■ Lab coat.

■ Safety glasses.



### Product Specification

Formula:	C <sub>12</sub> H <sub>13</sub> NO <sub>4</sub>
MW:	235.24
Purity:	>=95% by HPLC
Appearance:	Light yellow solid
Solubility:	DMSO
Storage:	-20°C. <b>Protect from light.</b>
Synonyms:	Macrophage Migration Inhibitory Factor Antagonist,ISO-1
NMR:	<b>Consistent with structure.</b>

### Product Description:

A cell-permeable isoxazoline compound that displays anti-inflammatory properties. Inhibits MIF dopachrome tautomerase activity by binding to its catalytic active site (IC<sub>50</sub> = 7 μM for D-dopachrome tautomerase) and suppresses the production of TNFα, PGE<sub>2</sub> and COX-2 in human monocytes and arachidonic acid in RAW 264.7 macrophages. Shown to exhibit antidiabetic properties in immunoinflammatory diabetic mouse model.

### Quality controle department:

This material is chemically synthesized. **Made in USA**

TO BE USED FOR RESEARCH PURPOSES ONLY. NOT FOR DRUG OR CLINICAL USE IN HUMANS OR FOOD ADDITIVE USE