



## CERTIFICATE OF ANALYSIS

<b>PRODUCT:</b>	<b>Dimethyloxalyglycine,</b> [Prolyl-4-hydroxylase inhibitor; DMOG, N-(Methoxyoxoacetyl)-glycine methyl ester] C <sub>6</sub> H <sub>9</sub> NO <sub>5</sub> , M.W. 175.1, CAS# [89464-63-1]
<b>PRODUCT NUMBER:</b>	D-1298
<b>LOT NUMBER:</b>	B1899
<b>APPEARANCE:</b>	Off-white solid
<b>SOLUBILITY:</b>	Soluble in DMSO (>25mg/ml), 100% ethanol (>25mg/ml) or DMF; soluble also in PBS, pH 7.2 (10mg/ml).
<b>PURITY:</b>	≥99% (TLC)
<b>PRODUCT DESCRIPTION:</b>	DMOG is a cell permeable prolyl-4-hydroxylase inhibitor which upregulates HIF activity. HIF activation stimulates angiogenesis in several different models. DMOG also inhibits FIH (Factor Inhibiting HIF), an asparaginyl hydroxylase, which enhances the HIF response. It is active <i>in vivo</i> and attenuates myocardial injury in a rabbit ischemia reperfusion model (20mg/kg). Is expected to act pro-angiogenic.
<b>STORAGE &amp; HANDLING:</b>	Keep cool and dry at room temperature (+20°C). Stock solutions are stable for at least 3 months if stored at -20°C.

CAUTION: For laboratory research & scientific manufacturing use only. Not for human or drug use. The pharmacological and toxicological properties of this product have not been fully investigated. Use caution when handling. Do not use this compound if you are not fully trained or are unaware of the hazards involved.

Verified: DD