Dimethyloxaloylglycine

Prolyl-4-hydroxylase inhibitor

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 *in vivo* and attenuates myocardial injury in a rabbit ischemia reperfusion model (20mg/kg). Is expected to act pro-angiogenic.

Citations: 16 View Online »

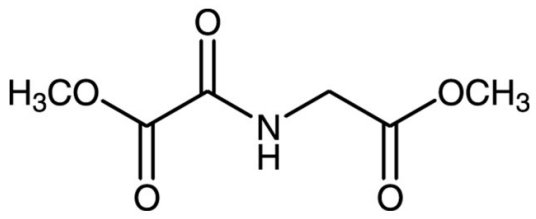
Ordering Information

Order Online »

BML-EI347-0010	10mg
BML-EI347-0050	50mg

Manuals, SDS & CofA

View Online »


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H3CO
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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	-20°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	DMOG, N-(Methoxyoxoacetyl)-glycine methyl ester
Appearance	Off-white solid.
CAS	89464-63-1
Couple Target	FIH, HIF, Prolyl-4-hydroxylase
Couple Type	Activator, Inhibitor
Formula	$C_6H_9NO_5$
MW	175.1
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (>25mg/ml), 100% ethanol (>25mg/ml) or dimethyl formamide; soluble also in PBS, pH7.2 (10mg/ml).

Last modified: May 29, 2024

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