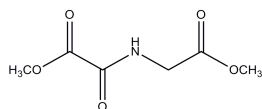


PRODUCT: DMOG**ALTERNATE NAME:** N-(2-Methoxy-2-oxoacetyl)glycine methyl ester**CATALOG #:** 2216-5, 25**AMOUNT:** 5 mg, 25 mg**STRUCTURE:****MOLECULAR FORMULA:** C₈H₉NO₅**MOLECULAR WEIGHT:** 175.14**CAS NUMBER:** 89464-63-1**APPEARANCE:** White solid**SOLUBILITY:** DMSO (100 mM) or H₂O (100 mM)**PURITY:** ≥98% by NMR**STORAGE:** Store at -20 °C. Protect from light and moisture**DESCRIPTION:** A cell-permeable prolyl 4-hydroxylase (P4H) inhibitor; inhibits hypoxia-inducible factor α (HIF- α) prolyl hydroxylase (HIF-PH). Increases levels of HIF-1 α ; promotes cell survival under hypoxic conditions. DMOG possesses neuroprotective effect on NFG deprived cell cultures through preservation of glucose metabolism. DMOG also attenuates myocardial injury in a rabbit ischemia reperfusion model.**REFERENCE:** Lomb, D.J., *et al.* (2009). *Mol. Pharmacol.* **75**, 1198-1209.**HANDLING:** Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.**RELATED PRODUCTS:**Chetomin (**Cat. No. 2180-1**)Emetine hydrochloride (**Cat. No. 1970-50, 250**)**USAGE:** **FOR RESEARCH CH USE ONLY! Not to be used in humans**