

DMOG

Cat. No. CEI-0539

Lot. No. (See product label)

Introduction

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.

Synonyms

N-(2-Methoxy-2-oxoacetyl)glycine methyl ester

Product Information

Appearance

White to Off-white Solid

CAS No.

89464-63-1

Molecular Formula

C 6 H 9 NO 5

Molecular Weight

342.37

Purity

>95%

Targets

HIF-PH

Solubility

DMSO (5 mg/ml) or EtOH (0.5 mg/ml)

Storage and Shipping Information

Storage

-20 centigrade

Shipping Conditions

Gel Pack