
Product Data Sheet

Product Name: TM6089
Cat. No.: GC37801

Chemical Properties

Cas. No. 863421-32-3

SMILES O=C1N(C(C(C(CSC2=NC=CC=C2)=O)=C(N1C)N)=O)C

Formula C13H14N4O3S M.Wt 306.34

Solubility DMSO : 41.67 mg/mL (136.03 mM; ultrasonic and warming and heat to 60°C) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure

Background

TM6089 is a unique Prolyl Hydroxylase (PHD) inhibitor which stimulates HIF activity without iron chelation and induces angiogenesis and exerts organ protection against ischemia. Local administration of TM6089 enhances angiogenesis, and oral administration stimulates HIF activity in transgenic rats expressing a hypoxia-responsive reporter vector[1].

[1]. Nangaku M, et al. A novel class of prolyl hydroxylase inhibitors induces angiogenesis and exerts organ protection against ischemia. *Arterioscler Thromb Vasc Biol.* 2007 Dec;27(12):2548-54.

Caution: Product has not been fully validated for medical applications. For research use only.

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