
Product Data Sheet

Product Name: HIF-2 α -IN-4

Cat. No.: GC63678

Chemical Properties

Cas. No. 882268-69-1

Formula C₉H₉N₃O₄S₂ M.Wt 287.32

Solubility 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**

HIF-2 α -IN-4 is a potent inhibitor of hypoxia inducible factor-2 α (HIF-2 α) translation, with an IC₅₀ of 5 μ M. HIF-2 α -IN-4 decreases both constitutive and hypoxia-induced HIF-2 α protein expression. HIF-2 α -IN-4 links its 5'UTR iron-responsive element to oxygen sensing[1].

HIF-2 α -IN-4 (compound 76) (10 μ M; 786-O cells) decreases HIF-2 α mRNA translation in an mTOR-independent manner[1]. HIF-2 α -IN-4 decreases HIF-2 α protein and HIF-2 α target gene expression in normoxia and hypoxia[1].

[1]. Zimmer M, et al. Small-molecule inhibitors of HIF-2 α translation link its 5'UTR iron-responsive element to oxygen sensing. Mol Cell. 2008;32(6):838-848.

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

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