

Product Data Sheet

Product Name: 4-HQN
Cat. No.: GC16474

Chemical Properties

Cas. No. 491-36-1

Chemical Name 1H-quinazolin-4-one

SMILES C1=CC=C2C(=C1)C(=O)N=CN2

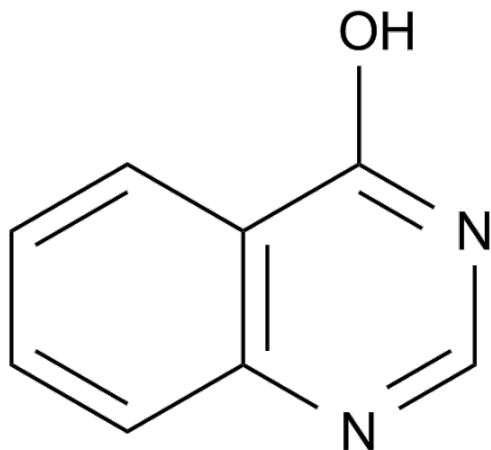
Formula C8H6N2O M.Wt 146.15

Solubility $\geq 55.6\text{mg/mL}$ in DMSO, $\geq 4.55\text{mg/mL}$ in EtOH with ultrasonic and warming
Storage Desiccate at RT

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

4(3H)-Quinazolinone is a building block in chemical synthesis. Biologically active nitrogen heterocyclic compounds. Possesses a wide spectrum of biological properties like antibacterial, antifungal, anticonvulsant, anti-inflammatory, anti-HIV, anticancerous and analgesic activities[1][2].

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

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References:

- [1]. Jafari E, et al. Quinazolinone and quinazoline derivatives: recent structures with potent antimicrobial and cytotoxic activities. Res Pharm Sci. 2016 Jan-Feb;11(1):1-14.
- [2]. Hameed A, et al. Quinazoline and quinazolinone as important medicinal scaffolds: a comparative patent review (2011-2016). Expert Opin Ther Pat. 2018 Apr;28(4):281-297.

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