

Product Data Sheet

Product Name: 1-Adamantanol

Cat. No.: GD00333

Chemical Properties

Cas. No. 768-95-6

Formula C₁₀H₁₆O

M.Wt 152.23

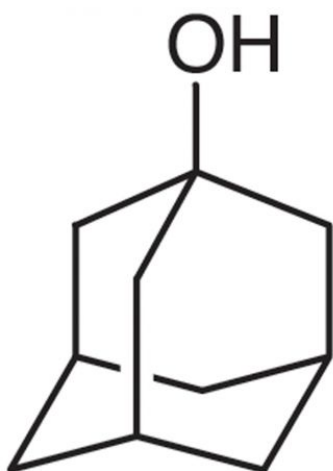
Solubility DMSO : 50 mg/mL (328.45 mM;
Need ultrasonic)

Storage

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

1-Adamantanol is a cyclic molecule with a hydroxyl group that can be used as an intermediate in the synthesis of adamantane. 1-Adamantanol can be oxidized to 1,3-adamantanediol by the Streptomyces SA8 oxidation system.

[1]. Mitsukura K, Sakamoto H, Kubo H, et al. Bioconversion of 1-adamantanol to 1, 3-adamantanediol using Streptomyces sp. SA8 oxidation system[J]. Journal of bioscience and bioengineering, 2010, 109(6): 550-553.

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

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