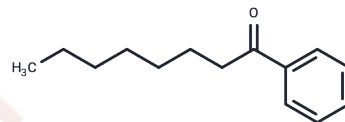


Octanophenone

Chemical Properties

CAS No. :	1674-37-9
Formula:	C ₁₄ H ₂₀ O
Molecular Weight:	204.31
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Octanophenone can be analyzed by reverse phase (RP) HPLC method with simple conditions. The phosphoric acid needs to be replaced with formic acid for Mass-Spec (MS) compatible applications. For fast UPLC applications, smaller 3 μm particles columns is available.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.8945 mL	24.4726 mL	48.9452 mL
5 mM	0.9789 mL	4.8945 mL	9.789 mL
10 mM	0.4895 mL	2.4473 mL	4.8945 mL
50 mM	0.0979 mL	0.4895 mL	0.9789 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

- Gritti F, Guiochon G. The rationale for the optimum efficiency of columns packed with new 1.9 μ m fully porous Titan-C18 particles-a detailed investigation of the intra-particle diffusivity. *J Chromatogr A*. 2014 Aug 15;1355:164-78. doi: 10.1016/j.chroma.2014.05.076. Epub 2014 Jun 11. PubMed PMID: 24969087.
- Stankovich JJ, Gritti F, Stevenson PG, Beaver LA, Guiochon G. Very high pressure liquid chromatography using fully porous particles: quantitative analysis of fast gradient separations without post-run times. *J Chromatogr A*. 2014 Jan 10;1324:155-63. doi: 10.1016/j.chroma.2013.11.036. Epub 2013 Nov 22. PubMed PMID: 24296292.
- Gritti F, Guiochon G. Mass transport of small retained molecules in polymer-based monolithic columns. *J Chromatogr A*. 2014 Oct 3;1362:49-61. doi: 10.1016/j.chroma.2014.07.065. Epub 2014 Aug 1. PubMed PMID: 25179287.

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