

Product Name: THPN

Catalog No.: 6017

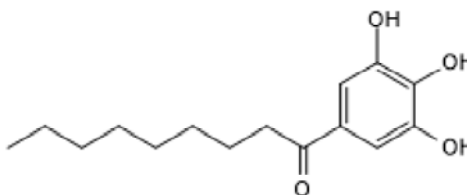
Batch No.: 1

CAS Number: 100079-26-3

IUPAC Name: 1-(3,4,5-Trihydroxyphenyl)-1-nonanone

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₁₅H₂₂O₄
Batch Molecular Weight: 266.33
Physical Appearance: Beige solid
Solubility: DMSO to 100 mM
 ethanol to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

TLC: R_f = 0.1 (Ethyl acetate:Petroleum ether [1:3])
HPLC: Shows 98.2% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	67.65	8.33	
Found	67.57	8.43	

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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IUPAC Name: 1-(3,4,5-Trihydroxyphenyl)-1-nonanone

Description:

Nur77 agonist. Binds Nur77 and promotes translocation of the receptor to the mitochondria resulting in autophagy in melanoma cell lines.

Physical and Chemical Properties:

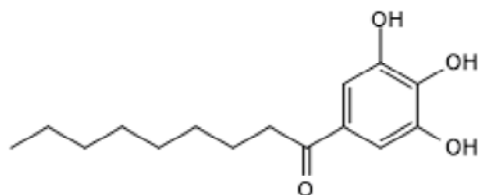
Batch Molecular Formula: C₁₅H₂₂O₄

Batch Molecular Weight: 266.33

Physical Appearance: Beige solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C. This product is packaged under an inert atmosphere.

Solubility & Usage Info:

DMSO to 100 mM

ethanol to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Li *et al* (2015) Impeding the interaction between Nur77 and p38 reduces LPS-induced inflammation. *Nat.Chem.Biol.* **11** 339. PMID: 25822914.

Wang *et al* (2014) Orphan nuclear receptor TR3 acts in autophagic cell death via mitochondrial signaling pathway. *Nat.Chem.Biol.* **10** 133. PMID: 24316735.

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