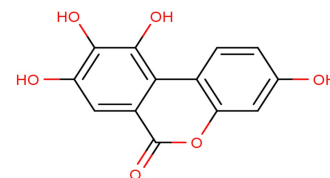


## urolithin M6

## Chemical Properties

CAS No.:	1006683-97-1
Formula:	C <sub>13</sub> H <sub>8</sub> O <sub>6</sub>
Molecular Weight:	260.2
Appearance:	N/A
Storage:	冷藏



## Biological Description

Description	urolithin M6 (UM6) is an ellagitannin metabolite produced by gut microbiota, was identified as a putative galloflavin mimetic
In vitro	UM6 was investigated for its effect on lactic acid production and cell proliferation on Raji cell line. It exerted an evident effect on lactate production (IC <sub>50</sub> = 36 ± 3 μM) and inhibited the cell growth with an IC <sub>50</sub> of 25 ± 2 μM[1].

## Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.843 mL	19.216 mL	38.432 mL
5 mM	0.769 mL	3.843 mL	7.686 mL
10 mM	0.384 mL	1.922 mL	3.843 mL
50 mM	0.077 mL	0.384 mL	0.769 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

## Reference

1. García-Villalba R, Selma MV, Espín JC, Tomás-Barberán FA. Identification of Novel Urolithin Metabolites in Human Feces and Urine after the Intake of a Pomegranate Extract [published correction appears in J Agric Food Chem. 2020 Mar 11;68(10):3297]. J Agric Food Chem. 2019;67(40):11099-11107. doi:10.1021/acs.jafc.9b04435

Inhibitors · Natural Compounds · Compound Libraries

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