

## uroolithin M6

## Chemical Properties

CAS No. : 1006683-97-1

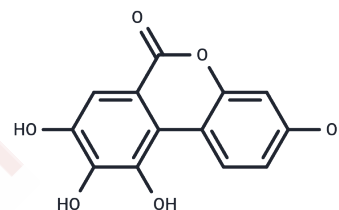
Formula: C<sub>13</sub>H<sub>8</sub>O<sub>6</sub>

Molecular Weight: 260.2

Storage: Keep away from direct sunlight, Keep away from moisture, Store at low temperature

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	uroolithin M6 (3,8,9,10-tetrahydroxy urolithin) (UM6) is an ellagitannin metabolite produced by gut microbiota, was identified as a putative galloflavin mimetic
Targets(IC50)	Others, Antibacterial
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	DMSO: 65 mg/mL (249.81 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.8432 mL	19.216 mL	38.432 mL
5 mM	0.7686 mL	3.8432 mL	7.6864 mL
10 mM	0.3843 mL	1.9216 mL	3.8432 mL
50 mM	0.0769 mL	0.3843 mL	0.7686 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

García-Villalba R, Selma MV, Espín JC, Tomás-Barberán FA. Identification of Novel Urolith 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

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