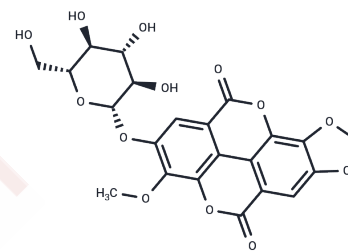


## Nyssoside

## Chemical Properties

CAS No. :	182138-70-1
Formula:	C <sub>22</sub> H <sub>18</sub> O <sub>13</sub>
Molecular Weight:	490.37
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	Nyssoside, an ellagic acid derivative, exhibits notable antioxidant and antibacterial properties against a variety of pathogenic bacteria.
Targets(IC50)	Others,Antibacterial
In vitro	Nyssoside (compound 1) demonstrates significant antioxidant efficacy through the scavenging of DPPH radicals, achieving an IC50 value of 1.096 mM[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0393 mL	10.1964 mL	20.3928 mL
5 mM	0.4079 mL	2.0393 mL	4.0786 mL
10 mM	0.2039 mL	1.0196 mL	2.0393 mL
50 mM	0.0408 mL	0.2039 mL	0.4079 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

Atta-Ur-Rahman, Ngounou FN, Choudhary MI, et al. New antioxidant and antimicrobial ellagic acid derivatives from Pteleopsis hylodendron. *Planta Med.* 2001;67(4):335-339. Atta-Ur-Rahman, Ngounou FN, Choudhary MI, et al. New antioxidant and antimicrobial ellagic acid derivatives from Pteleopsis hylodendron. *Planta Med.* 2001;67(4):335-339.

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