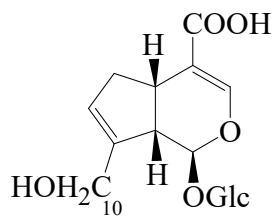




>>Entry Name: Geniposidic acid



CAS Registry Number: 27741-01-1

Molecular Formula:  $C_{16}H_{22}O_{10}$

Molecular Weight: 374.344

Accurate Mass: 374.1213

Percentage Composition: C 51.34%; H 5.92%; O 42.74%

Biological Source: Constit. *Genipa americana*

Optical Rotation:  $[\alpha]_D^{24} +19.3$  (c, 1 in MeOH)

>>Derivative: Me ester

Synonym(s): Geniposide. Genipin 1-glucoside. Jasminoidin

CAS Registry Number: 24512-63-8

Molecular Formula:  $C_{17}H_{24}O_{10}$

Molecular Weight: 388.371

Accurate Mass: 388.13695

Percentage Composition: C 52.58%; H 6.23%; O 41.20%

Biological Source: Constit. of *Gardenia jasminoides*

Physical Description: Cryst. (Me<sub>2</sub>CO)

Melting Point: Mp 163-164°

Optical Rotation:  $[\alpha]_D +7.5$

Solubility: BERDY SOL: Sol. H<sub>2</sub>O; poorly sol. hexane

UV: [neutral]  $\lambda_{max}$  235 ( $\epsilon$  15500) (H<sub>2</sub>O) (Berdy)

>>Derivative:  $\beta$ -D-Glucopyranosyl ester

Synonym(s): Asystasioside D

CAS Registry Number: 126005-84-3

Molecular Formula:  $C_{22}H_{32}O_{15}$

Molecular Weight: 536.486

Accurate Mass: 536.174125

Percentage Composition: C 49.25%; H 6.01%; O 44.73%

Biological Source: Isol. from *Asystasia bella*

Physical Description: Cryst. (as nona-Ac)

Melting Point: Mp 177-179° (nona-Ac)

Optical Rotation:  $[\alpha]_D^{28} -7$  (c, 0.4 in CHCl<sub>3</sub>) (nona-Ac)

>>Derivative: 10-Ac

Synonym(s): 10-O-Acetylgeniposidic acid

Molecular Formula:  $C_{18}H_{24}O_{11}$

Molecular Weight: 416.381

Accurate Mass: 416.131865

Percentage Composition: C 51.92%; H 5.81%; O 42.27%

Biological Source: Constit. of *Plantago alpina*

Physical Description: Foam

Optical Rotation:  $[\alpha]_D^{20} +7$  (c, 0.6 in MeOH)