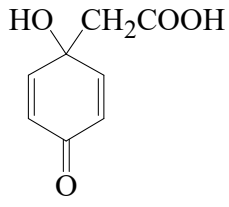
>>**Entry Name: 1-Hydroxy-4-oxo-2,5-cyclohexadiene-1-acetic acid**



CAS Registry Number: 55604-87-0

Molecular Formula: $C_8H_8O_4$
Molecular Weight: 168.149
Accurate Mass: 168.04226
Percentage Composition: C 57.14%; H 4.80%; O 38.06%
Biological Source: Constit. of *Pseudogynoxys cunninghammii*
Physical Description: Cryst. (EtOAc)
Melting Point: Mp 103-104°
Solubility: BERDY SOL: Sol. Et_2O, MeOH; poorly sol. H_2O
Calculated Log P Data: Log P –0.69 (calc)
UV: [neutral] λ_{max} 226 (ε 14500) (EtOH) (Derep) [neutral] λ_{max} 220 (log ε 4.18) (EtOH) [neutral] λ_{max} 227 (ε 12500) (MeOH) (Berdy) [neutral] λ_{max} 225 (ε 15000) (EtOH) (Berdy)

>>**Derivative:** Me ester
Synonym(s): Jacaranone

CAS Registry Number: 60263-07-2

Molecular Formula: $C_9H_{10}O_4$
Molecular Weight: 182.176
Accurate Mass: 182.05791
Percentage Composition: C 59.34%; H 5.53%; O 35.13%
Biological Source: Constit. of *Ajuga parviflora*, *Cineraria* spp., *Jacaranda* spp., *Pseudogynoxys* spp. and *Senecio* spp.
Biological Use/Importance: Cytotoxic agent
Physical Description: Cryst. ($CHCl_3$/hexane)
Melting Point: Mp 80-81° (76-77°)

>>**Derivative:** Et ester

CAS Registry Number: 60263-06-1

Molecular Formula: $C_{10}H_{12}O_4$
Molecular Weight: 196.202
Accurate Mass: 196.07356
Percentage Composition: C 61.22%; H 6.16%; O 32.62%
Biological Source: Constit. of *Ajuga parviflora*, *Emilia* sp., *Jacaranda* and *Senecio* spp.
Biological Use/Importance: Cytotoxic agent
Physical Description: Cryst. ($CHCl_3$/hexane)
Melting Point: Mp 72-74°

>>**Derivative:** Di-Et acetal, amide
Synonym(s): 4,4-Diethoxy-1-hydroxy-2,5-cyclohexadiene-1-acetamide

CAS Registry Number: 253308-66-6

Molecular Formula: $C_{12}H_{19}NO_4$
Molecular Weight: 241.286
Accurate Mass: 241.131409
Percentage Composition: C 59.73%; H 7.94%; N 5.81%; O 26.52%
Biological Source: Isol. from the sponge *Verongia aerophoba*