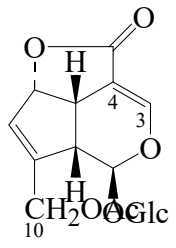
>>**Entry Name: Asperuloside**
Synonym(s): Rubichloric acid. Asperulin



CAS Registry Number: 14259-45-1

Molecular Formula: $C_{18}H_{22}O_{11}$
Molecular Weight: 414.365
Accurate Mass: 414.116215
Percentage Composition: C 52.18%; H 5.35%; O 42.47%
Biological Source: Isol. from *Asperula, Galium, Crucianella, Coprosma, Escallonia, Daphniphyllum* spp. and other plants
Use/Importance: Antiinflammatory agent
Melting Point: Mp 131-132° (125-127°)
Optical Rotation: $[\alpha]_D^{18}$–204 (H_2O)
Solubility: BERDY SOL: Sol. MeOH, EtOH; poorly sol. hexane
Calculated Log P Data: Log P –4.73 (uncertain value) (calc)
UV: [neutral] λ_{max} 234 (ε 6800) (EtOH) (Berdy)

>>**Derivative:** 6'-Ac
Synonym(s): 6'-Acetylasperuloside

Molecular Formula: $C_{20}H_{24}O_{12}$
Molecular Weight: 456.402
Accurate Mass: 456.12678
Percentage Composition: C 52.63%; H 5.30%; O 42.07%
Biological Source: Constit. of *Hedyotis chrysotricha*
Physical Description: Powder
Optical Rotation: $[\alpha]_D$ –52.3 (c, 0.17 in MeOH)

>>**Derivative:** Tetra-Ac

Molecular Formula: $C_{26}H_{30}O_{15}$
Molecular Weight: 582.514
Accurate Mass: 582.158475
Percentage Composition: C 53.61%; H 5.19%; O 41.20%
Melting Point: Mp 154.5-155°
Optical Rotation: $[\alpha]_D^{17}$–128.6 (EtOH)

>>**Derivative:** 2'-*O*-[3-(4-Hydroxyphenyl)propanoyl]
Synonym(s): V_2 Iridoid

CAS Registry Number: 82462-55-3

Molecular Formula: $C_{27}H_{30}O_{13}$
Molecular Weight: 562.526
Accurate Mass: 562.168645
Percentage Composition: C 57.65%; H 5.38%; O 36.97%
Biological Source: Constit. of *Galium verum*
Physical Description: Cryst. (Me_2CO)
Melting Point: Mp 145-150°