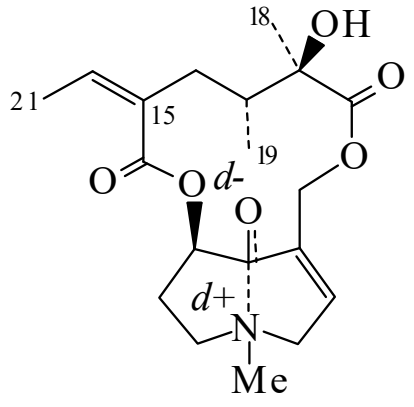
>>**Entry Name: Senkirkine**
Synonym(s): 12-Hydroxy-4-methyl-4,8-secosenecionan-8,11,16-trione, 9Cl. Renardine



CAS Registry Number: 2318-18-5
Related CAS Registry Numbers(s): 6882-01-5

Molecular Formula: $C_{19}H_{27}NO_6$
Molecular Weight: 365.425
Accurate Mass: 365.183839
Percentage Composition: C 62.45%; H 7.45%; N 3.83%; O 26.27%
Biological Source: Alkaloid from *Senecio* spp., *Nardosmia laevigata, Farfugium japonicum, Crotalaria laburnifolia* etc. (Compositae, Leguminosae)
Physical Description: Bevelled plates (EtOAc or Me_2CO)
Melting Point: Mp 196.5-197.5°
Optical Rotation: $[\alpha]_D^{25}$ –16 (c, 1.89 in MeOH)
Solubility: BERDY SOL: Sol. MeOH, $CHCl_3$; poorly sol. H_2O
pKa Value: pK_a 6.4
UV: [neutral] λ_{max} 219 (ε 10500) (MeOH) (Berdy)
Hazard & Toxicity: LD_{50} (rat, ipr) 220 mg/kg. Exp. neoplastic agent, hepatotoxic

>>**Derivative:** Picrate

Physical Description: Yellow rods (EtOH aq.)
Melting Point: Mp 225-225.5° (219-220°)

>>**Derivative:** Ac
Synonym(s): *O*-Acetylsenkirkine

CAS Registry Number: 53092-44-7

Molecular Formula: $C_{21}H_{29}NO_7$
Molecular Weight: 407.463
Accurate Mass: 407.194404
Percentage Composition: C 61.90%; H 7.17%; N 3.44%; O 27.49%
Biological Source: Alkaloid from *Senecio kirkii* (Compositae)
Physical Description: Needles (EtOAc/Me_2CO)
Melting Point: Mp 195-196°
Optical Rotation: $[\alpha]_D^{25}$ –34 (c, 0.44 in MeOH)

>>**Derivative:** 1*R*,2-Dihydro
Synonym(s): Dihydrosenkirkine

CAS Registry Number: 135574-55-9

Molecular Formula: $C_{19}H_{29}NO_6$
Molecular Weight: 367.441
Accurate Mass: 367.199489
Percentage Composition: C 62.11%; H 7.95%; N 3.81%; O 26.13%
Biological Source: Alkaloid from *Senecio integrifolius* var. *fauriri* (Asteraceae)
Other Data: Exists in equilib. as two ring structs.