



Erythroxylaceae)

Use/Importance: Shows no marked physiological activity

Melting Point: Mp 141-142°

Other Data: *Meso*-

>>**Derivative:** 6-*O*-Tigloyl

Synonym(s): Isometeloidine. 3,6-Ditigloyloxytropan-7-ol

CAS Registry Number: 39972-69-5

Molecular Formula: C₁₃H₂₁NO₄

Molecular Weight: 255.313

Accurate Mass: 255.147059

Percentage Composition: C 61.16%; H 8.29%; N 5.49%; O 25.07%

Biological Source: Alkaloid from *Datura candida* and *Datura suaveolens* (Solanaceae)

Melting Point: Mp 247° (as hydrobromide)

>>**Derivative:** 3,6-Di-*O*-tigloyl

Synonym(s): 3,6-Ditigloyloxytropan-7-ol

CAS Registry Number: 7159-86-6

Molecular Formula: C₁₈H₂₇NO₅

Molecular Weight: 337.415

Accurate Mass: 337.188924

Percentage Composition: C 64.07%; H 8.07%; N 4.15%; O 23.71%

Biological Source: Alkaloid present in *Datura suaveolens*, *Datura cornigera*, *Datura meteloides* and *Cyphomandra betacea* (Solanaceae)

Melting Point: Mp 215° (as hydrobromide)

>>**Derivative:** 6-*O*-(3-Methylbutanoyl), 3-*O*-tigloyl

Synonym(s): 7-Isovaleryloxy-3-tigloyloxytropan-6-ol

CAS Registry Number: 21030-84-2

Extra CAS Registry Numbers(s): 21030-91-1

Molecular Formula: C₁₈H₂₉NO₅

Molecular Weight: 339.431

Accurate Mass: 339.204574

Percentage Composition: C 63.69%; H 8.61%; N 4.13%; O 23.57%

Biological Source: Alkaloid from *Datura sanguinea* (Solanaceae)

Physical Description: Prisms (Et₂O/EtOH)(as hydrobromide)

Melting Point: Mp 182-883° (hydrobromide)

>>**Derivative:** 3-*O*-Benzoyl

Synonym(s): 6,7-Dihydroxytropan-3-yl benzoate. 3-*O*-Benzoylteloidine

CAS Registry Number: 66759-80-6

Molecular Formula: C₁₅H₁₉NO₄

Molecular Weight: 277.319

Accurate Mass: 277.131409

Percentage Composition: C 64.97%; H 6.91%; N 5.05%; O 23.08%

Biological Source: Alkaloid from the roots of *Erythroxylum australe* (Erythroxylaceae)

Melting Point: Mp 290 dec.° (as hydrobromide)

Other Data: *Meso*-

>>**Derivative:** 6-*O*-Benzoyl

Synonym(s): 7-Benzoyloxytropane-3,6-diol

CAS Registry Number: 111509-23-0

Molecular Formula: C₁₅H₁₉NO₄

Molecular Weight: 277.319

Accurate Mass: 277.131409

Percentage Composition: C 64.97%; H 6.91%; N 5.05%; O 23.08%

Biological Source: Alkaloid from the root bark of *Erythroxylum zambesiicum* (Erythroxylaceae)

Physical Description: Plates (EtOH/Et₂O)(as picrate)

Melting Point: Mp 213° (picrate)