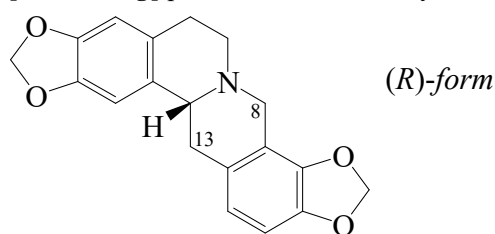




>>Entry Name: Stylopine

Synonym(s): 6,7,12*b*,13-Tetrahydro-4*H*-bis[1,3]benzodioxolo[5,6-*a*:4',5'-*g*]quinolizine, 9Cl. Tetrahydrocoptisine. Corydalis E. Chelidamine



CAS Registry Number: 7461-02-1

Molecular Formula: C<sub>19</sub>H<sub>17</sub>NO<sub>4</sub>

Molecular Weight: 323.348

Accurate Mass: 323.115759

Percentage Composition: C 70.58%; H 5.30%; N 4.33%; O 19.79%

Biological Use/Importance: Shows antipsychotic and neuroleptic activity in mice and rats

>>Variant: (*R*)-form

CAS Registry Number: 2884-83-5

Molecular Formula: C<sub>19</sub>H<sub>17</sub>NO<sub>4</sub>

Molecular Weight: 323.348

Accurate Mass: 323.115759

Percentage Composition: C 70.58%; H 5.30%; N 4.33%; O 19.79%

Biological Source: Alkaloid from several *Corydalis* spp. (Fumariaceae)

Melting Point: Mp 204°

Optical Rotation:  $[\alpha]_D^{15} +310$  (c, 0.88 in CHCl<sub>3</sub>)

>>Derivative: Methiodide

Melting Point: Mp 248 dec.°

>>Derivative: 13,14-Didehydro, 8-oxo

Synonym(s): 2,3:9,10-Bis(methylenedioxy)-8-oxoprotoberberine

Molecular Formula: C<sub>19</sub>H<sub>13</sub>NO<sub>5</sub>

Molecular Weight: 335.315

Accurate Mass: 335.079374

Percentage Composition: C 68.06%; H 3.91%; N 4.18%; O 23.86%

Biological Source: Alkaloid from the roots of *Thalictrum delavayi*

Physical Description: Yellow needles

Melting Point: Mp 282-284°

UV: [neutral]  $\lambda_{\max}$  224 (); 340 (); 377 (); 395 (sh) () (MeOH)

>>Derivative: 13,14-Didehydro, 1,8ξ-dihydroxy

Synonym(s): 1,8-Dihydroxy-2,3:9,10-bis(methylenedioxy)protoberberine

Molecular Formula: C<sub>19</sub>H<sub>15</sub>NO<sub>6</sub>

Molecular Weight: 353.331

Accurate Mass: 353.089939

Percentage Composition: C 64.59%; H 4.28%; N 3.96%; O 27.17%

Biological Source: Alkaloid from the roots of *Thalictrum delavayi*

Physical Description: Brownish powder

Optical Rotation:  $[\alpha]_D^{20} +8.8$  (c, 1.8 in CHCl<sub>3</sub>)

UV: [neutral]  $\lambda_{\max}$  214 (); 283 (); 378 () (MeOH)