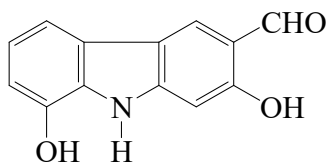




>>Entry Name: **2,8-Dihydroxy-9H-carbazole-3-carboxaldehyde**, 9CI

Synonym(s): 6-Formyl-1,7-dihydroxycarbazole. **Clauszoline M**



CAS Registry Number: 187110-72-1

Molecular Formula: $C_{13}H_9NO_3$

Molecular Weight: 227.219

Accurate Mass: 227.058244

Percentage Composition: C 68.72%; H 3.99%; N 6.16%; O 21.12%

Biological Source: Alkaloid form *Clausena excavata*

Physical Description: Pale yellow powder

UV: [neutral] $\lambda_{\max}$ 217 (); 240 (); 275 (); 290 (); 356 () (MeOH)

>>Derivative: 8-Me ether

Synonym(s): 2-Hydroxy-8-methoxy-9H-carbazole-3-carboxaldehyde, 9CI. 6-Formyl-7-hydroxy-1-methoxycarbazole. **Clausine A**

CAS Registry Number: 80054-00-8

Molecular Formula: $C_{14}H_{11}NO_3$

Molecular Weight: 241.246

Accurate Mass: 241.073894

Percentage Composition: C 69.70%; H 4.60%; N 5.81%; O 19.90%

Biological Source: Alkaloid from stem bark of *Clausena excavata*

Physical Description: Yellowish needles (Me₂CO)

Melting Point: Mp 184-186°

UV: [neutral] $\lambda_{\max}$ 202 (log ϵ 4.27); 218 (log ϵ 4.33); 241 (log ϵ 4.52); 268 (sh) (log ϵ 4.42); 275 (log ϵ 4.53); 288 (log ϵ 4.38); 352 (log ϵ 4.04) (MeOH)

References:

Wu, T.-S., *Phytochemistry*, 1996, **43**, 1427-1429, (*Clausine A*)

Ito, C. *et al.*, *Chem. Pharm. Bull.*, 1997, **45**, 48-52, (*isol, uv, pmr*)