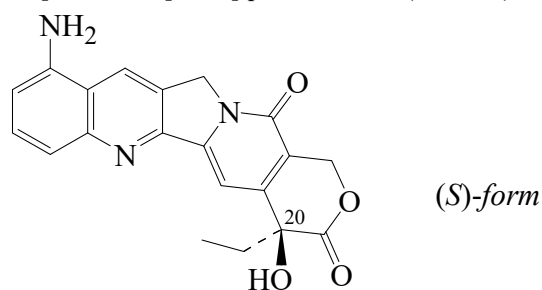




>>Entry Name: 9-Aminocamptothecin

Synonym(s): 10-Amino-4-ethyl-4-hydroxy-1*H*-pyrano[3',4':6,7]indolizino[1,2-*b*]quinoline-3,14(4*H*,12*H*)-dione, 9Cl. NSC 603071



Molecular Formula: C₂₀H₁₇N₃O₄

Molecular Weight: 363.372

Accurate Mass: 363.121907

Percentage Composition: C 66.11%; H 4.72%; N 11.56%; O 17.61%

Biological Use/Importance: Topoisomerase I inhibitor. Antineoplastic agent

Other Data: Relat. to Camptothecin [CFK58-X](#)

>>Variant: (*R*)-form

CAS Registry Number: 151593-95-2

Molecular Formula: C₂₀H₁₇N₃O₄

Molecular Weight: 363.372

Accurate Mass: 363.121907

Percentage Composition: C 66.11%; H 4.72%; N 11.56%; O 17.61%

Physical Description: Yellow solid

Optical Rotation: [α]_D²²+12 (c, 0.26 in DMF)

>>Variant: (*S*)-form

CAS Registry Number: 91421-43-1

Molecular Formula: C₂₀H₁₇N₃O₄

Molecular Weight: 363.372

Accurate Mass: 363.121907

Percentage Composition: C 66.11%; H 4.72%; N 11.56%; O 17.61%

Physical Description: Orange-yellow amorph. powder (MeOH/CHCl₃)

Melting Point: Mp 300° (dec.)

Optical Rotation: [α]_D²³+16 (c, 0.05 in CHCl₃/MeOH). [α]_D²¹-13 (c, 0.29 in DMF)

Other Data: Pharmacol. active isomer

>>Variant: (±)-form

Synonym(s): NSC 629971

CAS Registry Number: 130194-90-0

Molecular Formula: C₂₀H₁₇N₃O₄

Molecular Weight: 363.372

Accurate Mass: 363.121907

Percentage Composition: C 66.11%; H 4.72%; N 11.56%; O 17.61%

Physical Description: Tan-orange solid (MeOH/CHCl₃)

UV: [neutral] $\lambda_{\max}$ 238 (ϵ 6100); 256 (ϵ 3800) (MeOH) (Berdy)

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