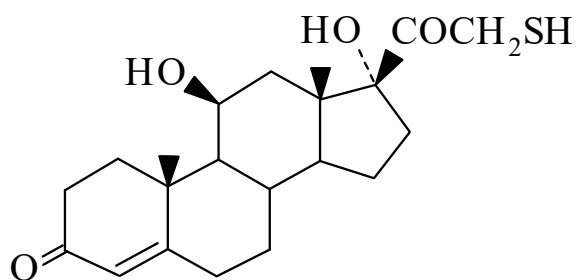




>>Entry Name: **Tixocortol**, BAN, INN

Synonym(s): 11,17-Dihydroxy-21-mercaptopregn-4-ene-3,20-dione, 9Cl. Tiocortisol



CAS Registry Number: 61951-99-3

Molecular Formula: $C_{21}H_{30}O_4S$

Molecular Weight: 378.532

Accurate Mass: 378.18648

Percentage Composition: C 66.63%; H 7.99%; O 16.91%; S 8.47%

Use/Importance: Corticosteroid used in labelling receptors

Calculated Log P Data: Log P 1.15 (uncertain value) (calc)

Other Data: Dec. at 220-221°. Stereochem. is (11 β ,17 α OH)

>>Derivative: 21-(2,2-Dimethylpropanoyl)

Synonym(s): **Tixocortol pivalate**, USAN. Pivalone. Rectovalone. Tiovalone. JO 1016

CAS Registry Number: 55560-96-8

Molecular Formula: $C_{26}H_{38}O_5S$

Molecular Weight: 462.649

Accurate Mass: 462.243995

Percentage Composition: C 67.50%; H 8.28%; O 17.29%; S 6.93%

Use/Importance: Antiinflammatory and antiallergic agent

Physical Description: Cryst. (EtOH)

Melting Point: Mp 195-200°

Optical Rotation: $[\alpha]_D^{20} +145$ (c, 1 in dioxan)

>>Derivative: 17-Butanoyl

Synonym(s): **Butixocort**, INN

CAS Registry Number: 120815-74-9

Molecular Formula: $C_{25}H_{36}O_5S$

Molecular Weight: 448.622

Accurate Mass: 448.228345

Percentage Composition: C 66.93%; H 8.09%; O 17.83%; S 7.15%

Use/Importance: Glucocorticoid; antiinflammatory agent

Melting Point: Mp 197-198°

Calculated Log P Data: Log P 2.74 (uncertain value) (calc)

>>Derivative: 17-Butanoyl, 21-propanoyl

Synonym(s): Tixocortol butyrate propionate. JO 1222

CAS Registry Number: 98449-05-9

Molecular Formula: $C_{28}H_{40}O_6S$

Molecular Weight: 504.686

Accurate Mass: 504.25456

Percentage Composition: C 66.64%; H 7.99%; O 19.02%; S 6.35%

References:

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Uphill, P.F. *et al.*, *Arzneim.-Forsch.*, 1981, **31**, 453; 459; 462; 467, (*pivalate*)

Japan. Pat., 1988, 63 303 994; *CA*, **110**, 231953, (*Butixocort*)

Chanoine, F. *et al.*, *Drug Metab. Dispos.*, 1991, **19**, 546, (*JO 1222*)

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