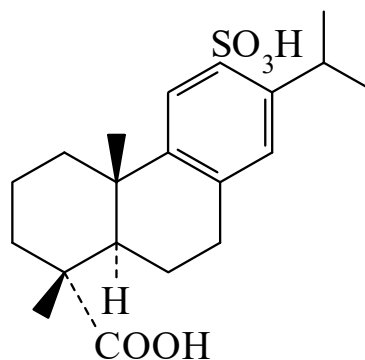




>>Entry Name: Ecabet, INN

Synonym(s): 1,2,3,4,4a,9,10,10a-Octahydro-1,4a-dimethyl-7-(1-methylethyl)-6-sulfo-1-phenanthrenecarboxylic acid, 9Cl. 13-Isopropyl-12-sulfo-8,11,13-podocarpatrien-15-oic acid, 8Cl. 12-Sulfodehydroabietic acid. Ecarxate. Gastrom. TA 2711



CAS Registry Number: 33159-27-2

Type of Compound Code(s): XA2370

Molecular Formula: C₂₀H₂₈O₅S

Molecular Weight: 380.504

Accurate Mass: 380.165745

Percentage Composition: C 63.13%; H 7.42%; O 21.02%; S 8.43%

Biological Use/Importance: Stimulates PGE₂ and PGI₂ production in gastrointestinal mucosa. Antiulcer agent

Physical Description: Needles (AcOH)

Development Status: Approved 1993

Melting Point: Mp 247-248 dec.°

Optical Rotation: $[\alpha]_D^{21} +72.4$ (EtOH)

Calculated Log P Data: Log P 4.2 (calc)

>>Derivative: Na salt

Synonym(s): Ecabet sodium

CAS Registry Number: 86408-72-2

Development Status: Launched 1993 (Japan)

Hazard & Toxicity: Exp. reprod. effects

>>Derivative: Di-Me ester

Molecular Formula: C₂₂H₃₂O₅S

Molecular Weight: 408.558

Percentage Composition: C 64.68%; H 7.89%; O 19.58%; S 7.85%

Melting Point: Mp 175-176°

Optical Rotation: $[\alpha]_D^{25} +76.2$ (EtOH)

References:

- Fieser, L.F. *et al.*, *J.A.C.S.*, 1938, **60**, 2631, (*synth*)
Wada, H. *et al.*, *Chem. Pharm. Bull.*, 1985, **33**, 1472, (*activity*)
Onoda, Y. *et al.*, *Arzneim.-Forsch.*, 1990, **40**, 576; 1991, **41**, 546, (*pharmacol*)
Ito, Y. *et al.*, *J. Pharmacobio-Dyn.*, 1991, **14**, 533; 547, (*metab*)
Kinoshita, M. *et al.*, *Biol. Pharm. Bull.*, 1993, **16**, 1220, (*pharmacol*)
Ito, Y. *et al.*, *Jpn. J. Pharmacol.*, 1993, **62**, 169; 175, (*pharmacol*)