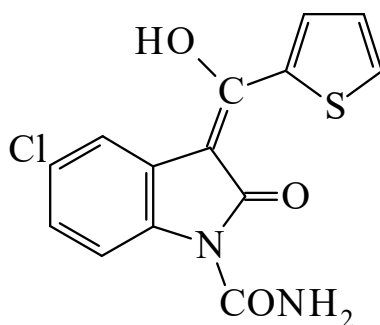




>>Entry Name: Tenidap, BAN, INN, USAN

Synonym(s): 5-Chloro-2,3-dihydro-2-oxo-3-(2-thienylcarbonyl)-1*H*-indole-1-carboxamide, 9Cl. 5-Chloro-3-(α -hydroxy-2-thenylidene)-2-oxo-1-indolinecarboxamide. Enable. Enablex. Tenedac. CP 66248



CAS Registry Number: 100599-27-7

Molecular Formula: C₁₄H₉ClN₂O₃S

Molecular Weight: 320.755

Accurate Mass: 320.00224

Percentage Composition: C 52.42%; H 2.83%; Cl 11.05%; N 8.73%; O 14.96%; S 10.00%

Biological Use/Importance: Potent cyclooxygenase inhibitor. Anion-transport inhibitor and cytoplasmic pH modulator. Cytokine inhibitor. Inhibits antigen-induced Ca influx in tumour mast cells. Antiinflammatory agent, analgesic. Used for the treatment of osteoarthritis and rheumatoid arthritis

>>Variant: (Z)-form

CAS Registry Number: 120210-48-2

Molecular Formula: C₁₄H₉ClN₂O₃S

Molecular Weight: 320.755

Accurate Mass: 320.00224

Percentage Composition: C 52.42%; H 2.83%; Cl 11.05%; N 8.73%; O 14.96%; S 10.00%

Physical Description: Yellow cryst. (AcOH)

Melting Point: Mp 230 dec.°

>>Derivative: Na salt

Synonym(s): Tenidap sodium, USAN

CAS Registry Number: 119784-94-0

References:

- Eur. Pat.*, 1984, *Pfizer*, 156 603; *CA*, **104**, 109468a, (*synth*)
Fogh, K. *et al.*, *Arch. Dermatol. Res.*, 1988, **280**, 430, (*pharmacol*)
Katz, P. *et al.*, *Arthritis Rheum.*, 1988, **31**, S52, (*pharmacol*)
Smith, D.M. *et al.*, *Agents Actions*, 1990, **31**, 102, (*clin trial*)
Brooks, P.M., *Agents Actions*, 1993, **44**, 161, (*rev*)
Cleveland, P.L. *et al.*, *Cell Calcium*, 1993, **14**, 1
McNiff, P. *et al.*, *J. Immunol.*, 1994, **153**, 2180
Porcs-Makkay, M. *et al.*, *Org. Process Res. Dev.*, 2000, **4**, 10-16, (*synth, ir, pmr, cmr*)
Kumar, P.R. *et al.*, *Org. Process Res. Dev.*, 2001, **5**, 61-64, (*synth*)