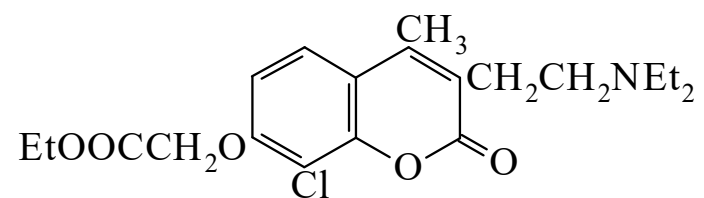




>>Entry Name: Cloricromen, INN

Synonym(s): Ethyl [[8-chloro-3-[2-(diethylamino)ethyl]-4-methyl-2-oxo-2H-1-benzopyran-7-yl]oxy]acetate, 9Cl. Assogen. Cromoxcap. Proendotel. AD 6



CAS Registry Number: 68206-94-0

Molecular Formula: C₂₀H₂₆ClNO₅

Molecular Weight: 395.882

Accurate Mass: 395.149951

Percentage Composition: C 60.68%; H 6.62%; Cl 8.96%; N 3.54%; O 20.21%

Use/Importance: Inhibits induction of NO (nitric oxide) synthase. Coronary vasodilator, antischaemic agent. Platelet aggregation inhibitor. Possible antiinflammatory/immunosuppressive props.

Physical Description: Cryst. (EtOAc)

Development Status: Launched 1991 (Italy)

Melting Point: Mp 147-148°

Calculated Log P Data: Log P 3.65 (calc)

>>Derivative: Hydrochloride

CAS Registry Number: 74697-28-2

Melting Point: Mp 219-220°

References:

- Aporti, F. *et al.*, *Pharmacol. Res. Commun.*, 1978, **10**, 469, (*pharmacol*)
Belg. Pat., 1979, *Fidia*, 871 315; *CA*, **91**, 39323, (*synth*)
Bertolino, M. *et al.*, *Arch. Int. Pharmacodyn. Ther.*, 1986, **281**, 66, (*pharmacol*)
Luzzatto, G. *et al.*, *Arzneim.-Forsch.*, 1986, **36**, 972, (*pharmacol*)
Zanetti, A. *et al.*, *Eur. J. Pharmacol.*, 1986, **128**, 119, (*pharmacol*)
Del Maschio, A. *et al.*, *Eur. J. Pharmacol.*, 1990, **187**, 541, (*pharmacol*)
Squadrito, F. *et al.*, *Cardiovasc. Drug Rev.*, 1991, **9**, 357, (*rev*)
Zatta, A. *et al.*, *Eur. J. Pharmacol.*, 1991, **198**, 97, (*pharmacol*)
Mariat, R. *et al.*, *J. Chromatogr.*, 1992, **576**, 143, (*hplc, ms*)
Lidbury, P.S. *et al.*, *Br. J. Pharmacol.*, 1993, **110**, 275, (*pharmacol*)
Zingarelli, B. *et al.*, *Eur. J. Pharmacol.*, 1993, **243**, 107, (*pharmacol*)
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 225
Tranchina, S. *et al.*, *Br. J. Pharmacol.*, 1994, **111**, 575, (*pharmacol*)