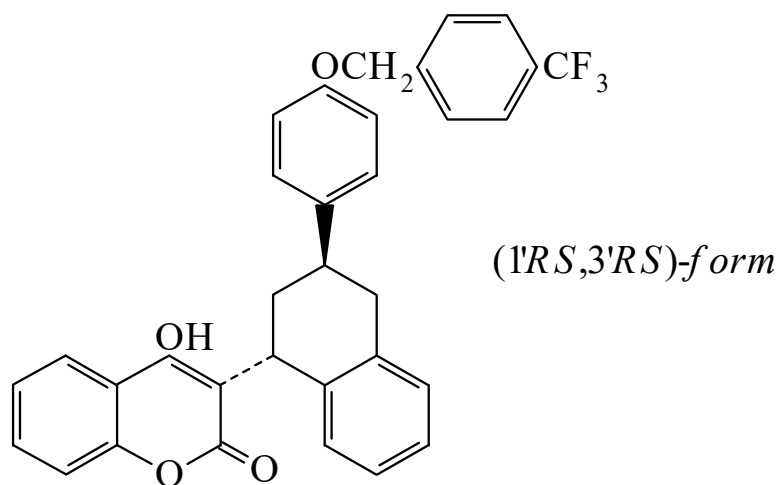




>>Entry Name: Flocoumafen, BSI

Synonym(s): 4-Hydroxy-3-[1,2,3,4-tetrahydro-3-[4-[[4-(trifluoromethyl)phenyl]methoxy]phenyl]-1-naphthalenyl]-2H-1-benzopyran-2-one, 9CI. 4-Hydroxy-3-[1,2,3,4-tetrahydro-3-[4-(4-trifluoromethylbenzyloxy)phenyl]-1-naphthyl]coumarin. Storm



CAS Registry Number: 90035-08-8

Molecular Formula: C₃₃H₂₅F₃O₄

Molecular Weight: 542.553

Accurate Mass: 542.170494

Percentage Composition: C 73.06%; H 4.64%; F 10.50%; O 11.80%

Use/Importance: Anticoagulant, rodenticide

Physical Description: Off-white solid

Other Data: Flocoumafen refers to a particular mixt. of diastereoisomers

Hazard & Toxicity: LD₅₀ (rat, orl) 0.25 mg/kg

>>Variant: (1'RS,3'RS)-form

Synonym(s): (±)-trans-form

CAS Registry Number: 104563-60-2

Molecular Formula: C₃₃H₂₅F₃O₄

Molecular Weight: 542.553

Accurate Mass: 542.170494

Percentage Composition: C 73.06%; H 4.64%; F 10.50%; O 11.80%

Melting Point: Mp 163-166°

>>Variant: (1'RS,3'SR)-form

Synonym(s): (±)-cis-form

CAS Registry Number: 104563-61-3

Molecular Formula: C₃₃H₂₅F₃O₄

Molecular Weight: 542.553

Accurate Mass: 542.170494

Percentage Composition: C 73.06%; H 4.64%; F 10.50%; O 11.80%

Melting Point: Mp 181-191°

References:

Eur. Pat., 1984, 98 629; *CA*, **100**, 191738n, (*synth, activity*)

Rowe, F.P. *et al.*, *J. Hyg.*, 1985, **95**, 623, (*activity*)

Eur. Pat., 1986, 175 466; *CA*, **105**, 152927g, (*isom*)

Huckle, K.R. *et al.*, *Xenobiotica*, 1988, **18**, 1465, (*metab*)

Pesticide Manual, 9th edn., 1991, No. 6385