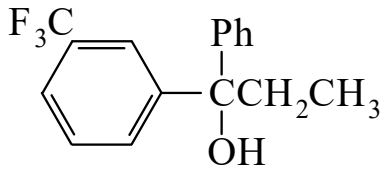
>>**Entry Name: Flumecinol,** INN

Synonym(s): α-Ethyl-α-phenyl-3-(trifluoromethyl)benzenemethanol, 9CI. α-Ethyl-3-(trifluoromethyl)benzhydrol. 1-Phenyl-1-[3-(trifluoromethyl)phenyl]-1-propanol. Synklit. Zixoryn. RGH 3332



CAS Registry Number: 56430-99-0
Related CAS Registry Numbers(s): 107317-30-6 107317-31-7

Molecular Formula: $C_{16}H_{15}F_3O$
Molecular Weight: 280.289
Accurate Mass: 280.107499
Percentage Composition: C 68.56%; H 5.39%; F 20.33%; O 5.71%
Use/Importance: Induces hepatic cytochrome P-450 isoenzymes. Investigated for treatment of hyperbilirubinaemia and cholestatic pruritus. Hepatoprotective agent
Hazard & Toxicity: LD_{50} (rat, orl) 2235 mg/kg

>>**Variant:** (±)-form

CAS Registry Number: 113755-17-2
Molecular Formula: $C_{16}H_{15}F_3O$
Molecular Weight: 280.289
Accurate Mass: 280.107499
Percentage Composition: C 68.56%; H 5.39%; F 20.33%; O 5.71%
Boiling Point: $Bp_{0.03}$ 106-108°

References:

Ger. Pat., 1975, 2 438 399; *CA*, **83**, 96707y, *(synth, pharmacol)*
Szeberenyi, S. *et al.*, *Arzneim.-Forsch.*, 1978, **28**, 663, *(pharmacol)*
Ledniczky, M. *et al.*, *Arzneim.-Forsch.*, 1978, **28**, 673, *(metab)*
Klebovich, I. *et al.*, *J. Chromatogr.*, 1983, **273**, 207, *(gc)*
Klebovich, I. *et al.*, *Xenobiotica*, 1987, **17**, 1247, *(metab, human)*
Gazdag, M. *et al.*, *J. Chromatogr.*, 1988, **436**, 31, *(hplc)*
Szabó, I. *et al.*, *Acta Physiol. Acad. Sci. Hung.*, 1992, **79**, 23, *(pharmacol)*
Sylvia, L.A. *et al.*, *Drug Metab. Dispos.*, 1993, **21**, 105, *(metab)*
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 1371
Turner, I.B. *et al.*, *Aliment. Pharmacol. Ther.*, 1994, **8**, 337, *(use)*