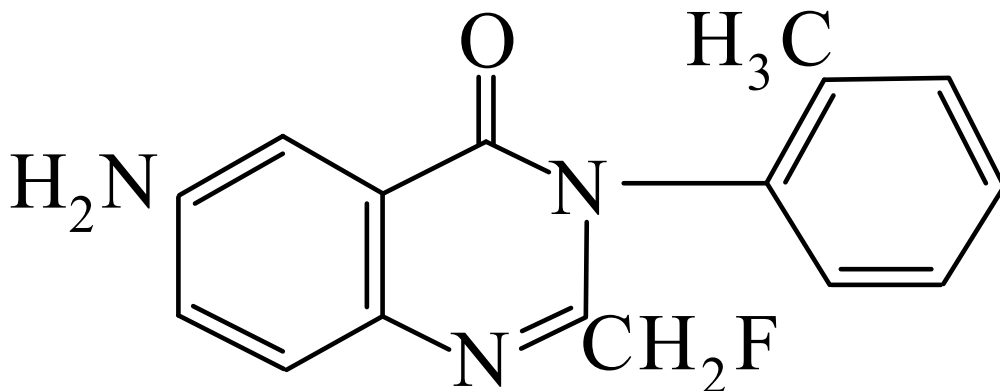




>>Entry Name: Afloqualone, INN, JAN

Synonym(s): 6-Amino-2-(fluoromethyl)-3-(2-methylphenyl)-4(3H)-quinazolinone, 9Cl. 6-Amino-2-(fluoromethyl)-3-*o*-tolyl-4(3H)-quinazolinone. Aflomus. Aflozon. Arofuto. Atoquinazone. Caspitana. Plenco. HQ 495. Many other names



CAS Registry Number: 56287-74-2

Related CAS Registry Numbers(s): 56287-75-3

Molecular Formula: C₁₆H₁₄FN₃O

Molecular Weight: 283.304

Accurate Mass: 283.11209

Percentage Composition: C 67.83%; H 4.98%; F 6.71%; N 14.83%; O 5.65%

Use/Importance: Centrally-acting skeletal muscle relaxant, antiemetic

Physical Description: Pale yellow prisms (2-propanol)

Development Status: Launched 1983

Melting Point: Mp 194-196°

Calculated Log P Data: Log P 2.48 (uncertain value) (calc)

Hazard & Toxicity: Photoallergic skin effects reported. LD₅₀ (rat, orl) 249 mg/kg. LD₅₀ (rat, ipr) 385 mg/kg

References:

Tani, J. *et al.*, *J. Med. Chem.*, 1979, **22**, 95, (synth, pharmacol, tox)

Otsuka, M. *et al.*, *Chem. Pharm. Bull.*, 1983, **31**, 2438, (metab)

Martindale, *The Extra Pharmacopoeia*, 30th edn., Pharmaceutical Press, 1993, 1199

Ishikawa, T. *et al.*, *J. Dermatol.*, 1994, **21**, 430, (tox)

Negwer, M., *Organic-Chemical Drugs and their Synonyms*, 7th edn., Akademie-Verlag, 1994, 5021, (synonyms)

Lewis, R.J., *Sax's Dangerous Properties of Industrial Materials*, 8th edn., Van Nostrand Reinhold, 1992, AEW625