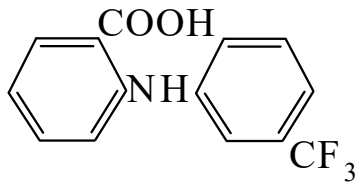
>>**Entry Name: Flufenamic acid,** BAN, INN, JAN, USAN

Synonym(s): 2-[[3-(Trifluoromethyl)phenyl]amino]benzoic acid, 9CI. *N*-(α,α,α-Trifluoro-*m*-tolyl)anthranilic acid, 8CI. 3'-Trifluoromethyldiphenylamine-2-carboxylic acid. Fluphenamic acid. B 306. NSC 82699. Many other names



CAS Registry Number: 530-78-9

Molecular Formula: $C_{14}H_{10}F_3NO_2$
Molecular Weight: 281.234
Accurate Mass: 281.066363
Percentage Composition: C 59.79%; H 3.58%; F 20.27%; N 4.98%; O 11.38%
Biological Use/Importance: Antiinflammatory agent, analgesic. Chloride and non-selective cation channel antagonist. Pharmacological tool. Shows antiproliferative activity
Physical Description: Pale yellow needles (EtOH aq.)
Melting Point: Mp 125°
Calculated Log P Data: Log P 5.51 (calc)
Other Data: Also used as Al salt (Aluminium flufenamate, JAN)
Hazard & Toxicity: Adverse gastrointestinal effects. LD_{50} (rat, orl) 249 mg/kg

Aldrich: 15130-0
Sigma: F9005

>>**Derivative:** Butyl ester

Synonym(s): Ufenamate, INN, JAN**.** Butyl 2-[[3-(trifluoromethyl)phenyl]amino]benzoate, 9CI. Butyl *N*-(α,α,α-trifluoro-*m*-tolyl)anthranilate. Butyl flufenamate. Combec. Fenazol. Phenasol. HF 264

CAS Registry Number: 67330-25-0

Biological Use/Importance: Antiinflammatory agent, analgesic
Development Status: Launched 1983
Boiling Point: Bp_1 169-170°
Hazard & Toxicity: LD_{50} (rat, orl) 510 mg/kg. LD_{50} (rat, ipr) 4550 mg/kg. Exp. reprod. and teratogenic effects

>>**Derivative:** 3-Methyl-2-butenyl ester

Synonym(s): Prefenamate, INN

CAS Registry Number: 57775-28-7

Molecular Formula: $C_{19}H_{18}F_3NO_2$
Molecular Weight: 349.352
Accurate Mass: 349.128963
Percentage Composition: C 65.32%; H 5.19%; F 16.31%; N 4.01%; O 9.16%
Biological Use/Importance: Antiinflammatory, analgesic

>>**Derivative:** (2-Hydroxyethoxyethoxy) ester

see Etofenamate, DLH48-G

References: