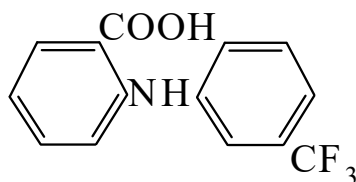




>>>**Entry Name:** Flufenamic acid, BAN, INN, JAN, USAN

**Synonym(s):** 2-[[3-(Trifluoromethyl)phenyl]amino]benzoic acid, 9CI. *N*-( $\alpha,\alpha,\alpha$ -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<sub>14</sub>H<sub>10</sub>F<sub>3</sub>NO<sub>2</sub>

**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<sub>50</sub> (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*-( $\alpha,\alpha,\alpha$ -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<sub>1</sub> 169-170°

**Hazard & Toxicity:** LD<sub>50</sub> (rat, orl) 510 mg/kg. LD<sub>50</sub> (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<sub>19</sub>H<sub>18</sub>F<sub>3</sub>NO<sub>2</sub>

**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:**