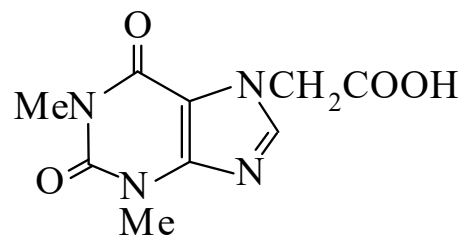




**>>Entry Name: Acefylline**

**Synonym(s):** 1,2,3,6-Tetrahydro-1,3-dimethyl-2,6-dioxo-7*H*-purine-7-acetic acid, 9Cl, 8Cl. 1,3-Dimethylxanthin-7-ylacetic acid. Theophylline-7-acetic acid. Aminodal. Stenofillina



**CAS Registry Number:** 652-37-9

**Molecular Formula:** C<sub>9</sub>H<sub>10</sub>N<sub>4</sub>O<sub>4</sub>

**Molecular Weight:** 238.202

**Accurate Mass:** 238.070206

**Percentage Composition:** C 45.38%; H 4.23%; N 23.52%; O 26.87%

**Use/Importance:** Spasmolytic, cardiotonic, diuretic and smooth muscle relaxant. Bronchodilator

**Physical Description:** Solid + 1H<sub>2</sub>O

**Melting Point:** Mp 269-271°

**Calculated Log P Data:** Log P -0.65 (uncertain value) (calc)

**Hazard & Toxicity:** LD<sub>50</sub> (mus, orl) 2733 mg/kg

**Fluka:** 88310

**Rare Chemicals Library:** S41015-2

**>>Derivative:** Piperazine salt (2:1)

**Synonym(s):** Acefylline piperazine, INN. **Acepifylline**, BAN. Etaphyllate. Etaphylline

**CAS Registry Number:** 18428-63-2

**Molecular Formula:** C<sub>22</sub>H<sub>30</sub>N<sub>10</sub>O<sub>8</sub>

**Molecular Weight:** 562.541

**Accurate Mass:** 562.22481

**Percentage Composition:** C 46.97%; H 5.38%; N 24.90%; O 22.75%

**>>Derivative:** Clofibrate

**Synonym(s):** **Acefylline clofibrol**, INN. Fibrafyllin

**CAS Registry Number:** 70788-27-1

**Molecular Formula:** C<sub>19</sub>H<sub>21</sub>ClN<sub>4</sub>O<sub>5</sub>

**Molecular Weight:** 420.851

**Accurate Mass:** 420.120048

**Percentage Composition:** C 54.23%; H 5.03%; Cl 8.42%; N 13.31%; O 19.01%

**Use/Importance:** Hypolipidaemic agent

**Physical Description:** Cryst. (EtOH)

**Melting Point:** Mp 141-142°

**>>Derivative:** Compd. with drotaverine (1:1)

**Synonym(s):** **Depogen**. Drotaverin-acephyllinate

**CAS Registry Number:** 61954-97-0

**Use/Importance:** Haemorrhological agent

**Melting Point:** Mp 152-154°

**References:**