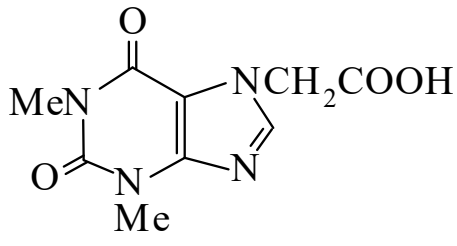
>>**Entry Name: Acefylline**
Synonym(s): 1,2,3,6-Tetrahydro-1,3-dimethyl-2,6-dioxo-7*H*-purine-7-acetic acid, 9CI, 8CI. 1,3-Dimethylxanthin-7-ylacetic acid. Theophylline-7-acetic acid. Aminodal. Stenofillina



CAS Registry Number: 652-37-9

Molecular Formula: $C_9H_{10}N_4O_4$
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 + $1H_2O$
Melting Point: Mp 269-271°
Calculated Log P Data: Log P –0.65 (uncertain value) (calc)
Hazard & Toxicity: LD_{50} (mus, orl) 2733 mg/kg

Fluka: 88310
Rare Chemicals Library: S41015-2

>>**Derivative:** Piperazine salt (2:1)
Synonym(s): Acefylline piperazine, INN. **Acepifylline,** BAN. Etophyllate. Etaphylline

CAS Registry Number: 18428-63-2
Molecular Formula: $C_{22}H_{30}N_{10}O_8$
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: $C_{19}H_{21}ClN_4O_5$
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: Haemorrheological agent
Melting Point: Mp 152-154°

References: