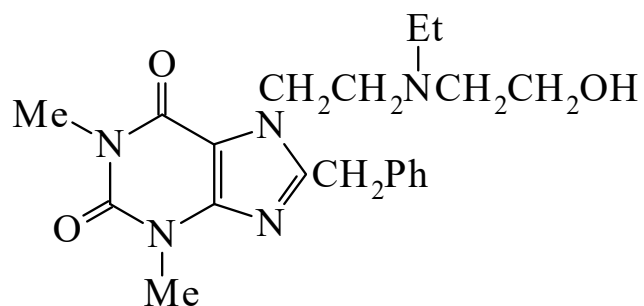




>>Entry Name: **Bamifylline**, BAN, INN

Synonym(s): 7-[2-[Ethyl(2-hydroxyethyl)amino]ethyl]-3,7-dihydro-1,3-dimethyl-8-(phenylmethyl)-1*H*-purine-2,6-dione, 9Cl. 8-Benzyl-7-[2-(*N*-ethyl-2-hydroxyethylamino)ethyl]theophylline, 8Cl. Bamiphylline. Benzetamophylline. Benzethamophylline. Stofilin. Trentadil. AC 3810. BAX 2739Z. 8102 CB



CAS Registry Number: 2016-63-9

Molecular Formula: C₂₀H₂₇N₅O₃

Molecular Weight: 385.465

Accurate Mass: 385.21139

Percentage Composition: C 62.32%; H 7.06%; N 18.17%; O 12.45%

Biological Use/Importance: Bronchodilator, coronary vasodilator

Melting Point: Mp 80-80.5°

Calculated Log P Data: Log P 2.02 (uncertain value) (calc)

>>Derivative: Hydrochloride

Synonym(s): **Bamifylline hydrochloride**, USAN

CAS Registry Number: 20684-06-4

Melting Point: Mp 185-186°

References:

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Georges, A. *et al.*, *Arzneim.-Forsch.*, 1968, **18**, 460, (*tox*)

Dodion, L. *et al.*, *Arzneim.-Forsch.*, 1969, **19**, 785, (*metab*)

Fourtillan, J.P. *et al.*, *Therapie*, 1983, **38**, 647, (*props*)

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