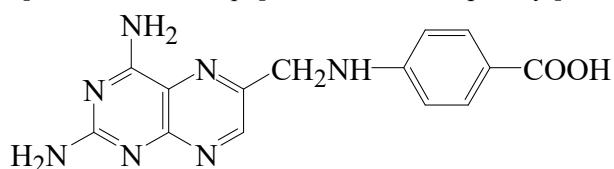




>>Entry Name: Aminopteroic acid

Synonym(s): 4-[[[(2,4-Diamino-6-pteridinyl)methyl]amino]benzoic acid, 9Cl. *p*-[*N*-2,4-Diamino-6-pteridyl]methyaminobenzoic acid



CAS Registry Number: 36093-85-3

Molecular Formula: C₁₄H₁₃N₇O₂

Molecular Weight: 311.302

Accurate Mass: 311.113073

Percentage Composition: C 54.02%; H 4.21%; N 31.50%; O 10.28%

Biological Source: Parent acid present in Aminopterin [HDG51-L](#)

>>Derivative: *N*^{ar}-Me

Synonym(s): 4-[[[(2,4-Diamino-6-pteridinyl)methyl]methylamino]benzoic acid

CAS Registry Number: 19741-14-1

Molecular Formula: C₁₅H₁₅N₇O₂

Molecular Weight: 325.329

Accurate Mass: 325.128723

Percentage Composition: C 55.38%; H 4.65%; N 30.14%; O 9.84%

Physical Description: Orange powder

Other Data: Mp > 300°

References:

Sato, H. *et al.*, *Nippon Kagaku Kaishi*, 1951, **72**, 866; *CA*, **47**, 5946

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Venditti, J.M. *et al.*, *Cancer Res.*, 1960, **20**, 691

Elliott, R.D. *et al.*, *J.O.C.*, 1970, **35**, 1676-1680, (*N*-Me)

Piper, J.R. *et al.*, *J.O.C.*, 1977, **42**, 208