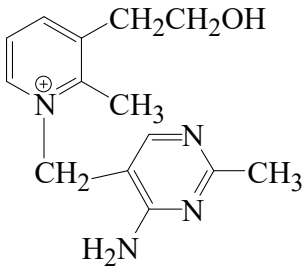
>>**Entry Name: 1-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-3-(2-hydroxyethyl)-2-methylpyridinium(1+),** 9Cl
Synonym(s): 1-[(4-Amino-2-methyl-5-pyrimidinyl)methyl]-3-(2-hydroxyethyl)-2-picolinium, 8Cl. Pyrithiamine. Neopyrithiamine (obsol.)



CAS Registry Number: 5593-78-2

Molecular Formula: $C_{14}H_{19}N_4O^{(+)}$
Molecular Weight: 259.33
Accurate Mass: 259.155886
Percentage Composition: C 64.84%; H 7.38%; N 21.60%; O 6.17%
Use/Importance: Thiamine antagonist
Other Data: Strictly the trade names refer to the bromide

>>**Derivative:** Chloride

CAS Registry Number: 554-33-6
Molecular Formula: $C_{14}H_{19}ClN_4O$
Molecular Weight: 294.783
Accurate Mass: 294.124738
Percentage Composition: C 57.04%; H 6.50%; Cl 12.03%; N 19.01%; O 5.43%
Melting Point: Mp 234-236° (dec.) (as hydrochloride)
Other Data: CAS no. refers to hydrochloride

>>**Derivative:** Bromide

CAS Registry Number: 534-64-5
Molecular Formula: $C_{14}H_{19}BrN_4O$
Molecular Weight: 339.234
Accurate Mass: 338.094222
Percentage Composition: C 49.57%; H 5.65%; Br 23.55%; N 16.52%; O 4.72%
Physical Description: Cryst. (Me_2CO) (as hydrobromide)
Melting Point: Mp 205-210° (hydrobromide). Mp 218-220° (dec.) (hydrobromide)
Other Data: CAS no. refers to hydrobromide

References: