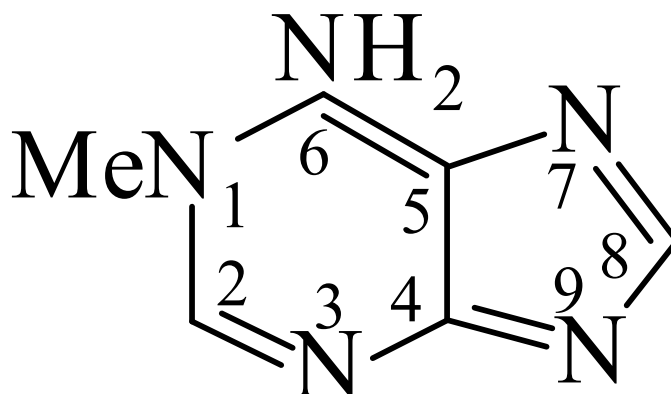




>>Entry Name: **6-Amino-1-methylpurine**

Synonym(s): 1-Methyl-1*H*-purin-6-amine, 9Cl. 1-Methyladenine



CAS Registry Number: 5142-22-3

Molecular Formula: C₆H₇N₅

Molecular Weight: 149.155

Accurate Mass: 149.070145

Percentage Composition: C 48.32%; H 4.73%; N 46.95%

Use/Importance: Spawning-inducing factor in *Asterias amurensis*

Physical Description: Cryst. (H₂O)

Melting Point: Mp 296-299 dec.°

pKa Value: pK_{a1} 7.2; pK_{a2} 11

Aldrich: 21532-5

Rare Chemicals Library: S45335-8

Sigma: M4876

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **2**, 714A, (*ir*)

Brookes, P. *et al.*, *J.C.S.*, 1960, 539, (*synth*)

Karatani, H. *et al.*, *Nature (London)*, 1969, **221**, 273, (*isol*)

Lichtenberg, D. *et al.*, *J. Magn. Reson.*, 1972, **6**, 600, (*nmr*)

Garrett, E.R. *et al.*, *J.A.C.S.*, 1972, **94**, 8532, (*synth, uv*)