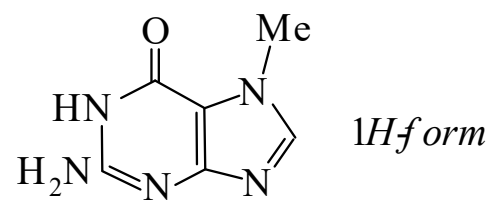




>>Entry Name: 7-Methylguanine, 9Cl

Synonym(s): 2-Amino-1,7-dihydro-7-methyl-6H-purin-6-one, 9Cl



CAS Registry Number: 578-76-7

Molecular Formula: C₆H₇N₅O

Molecular Weight: 165.154

Accurate Mass: 165.06506

Percentage Composition: C 43.64%; H 4.27%; N 42.40%; O 9.69%

Use/Importance: Urinary marker of exposure to methylating agents

Physical Description: Needles (H₂O)

Melting Point: Mp 370°

Fluka: 67073

Sigma: M0502

References:

Fischer, E., *Ber.*, 1898, **31**, 544, (*synth*)

Gulland, J.M. *et al.*, *J.C.S.*, 1938, 692, (*synth*)

Rice, J.M. *et al.*, *J.A.C.S.*, 1967, **89**, 2719, (*ms*)

Shuker, D.E.G., *Arch. Toxicol.*, Suppl., 1989, **13**, 55, (*use*)