



An ISO 9001:2015
Certified Company

Speciality Products Research Group

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Ref. No.: SRG/TDS/TNSTAD/2022

Rev. No.: 00

TECHNICAL DATA SHEET

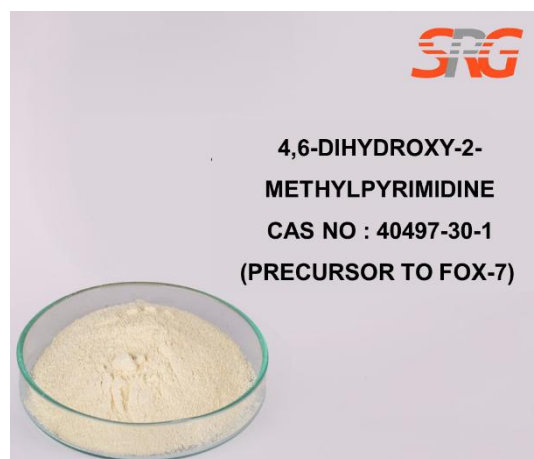
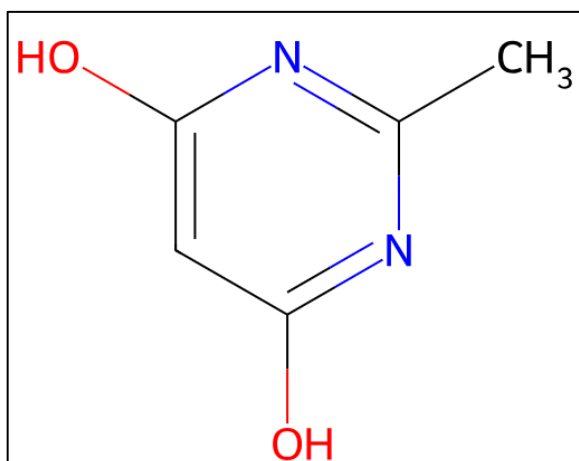
4,6-DIHYDROXY-2-METHYLPYRIMIDINE (4,6-DMP)

4,6-Dihydroxy-2-methylpyrimidine is used in the synthesis of 4,6-dihydroxy-5,5-dinitro-2-(dinitromethylene)-2,5-dihydropyrimidine, which is subsequently hydrolyzed to create 1,1-diamino-2,2-dinitroethylene (often known as FOX-7).

Synonyms:	2-Methylpyrimidine-4,6-diol
CAS No.:	40497-30-1
Molecular Formula:	C ₅ H ₆ N ₂ O ₂
Avg Mass:	126.115 g/mol
IUPAC Name:	6-Hydroxy-2-methyl-4(1H)-pyrimidinone

SPECIFICATIONS FOR 4,6-DIHYDROXY-2-METHYLPYRIMIDINE (4,6-DMP)

Sr. No.	Characteristics	Specified limits
1.	Appearance	White to Light yellow to Light orange powder to crystal
2.	Moisture Content, %	< 0.5%
3.	Melting point, °C	>300
4.	Purity, %	>96.0



4,6-DIHYDROXY-2-
METHYLPYRIMIDINE
CAS NO : 40497-30-1
(PRECURSOR TO FOX-7)

For Speciality Products Research Group

Proprietor

