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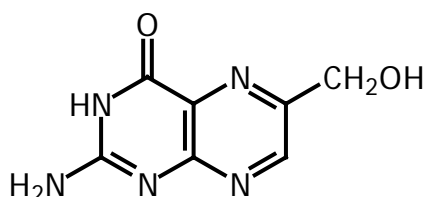
DATA SHEET

6-Hydroxymethylpterin

Product no. 11.420

Abbreviation: HMP

CAS No.: 712-29-8



$C_7H_7N_5O_2$

MW 193.2

Description	Yellow powder		
Biochemistry	6-Hydroxymethylpterin is an intermediate in tetrahydrofolate synthesis.		
Solubility	6-Hydroxymethylpterin is practically insoluble in water. It is very slightly soluble in 0.01 M NaOH. pH approx. 11.0, (approx. 0.07 g/100 g 0.01 M NaOH (22°C)).		
Analytical methods	HPLC Conditions	column eluant flow rate wavelength solution	Waters Spherisorb S5-ODS 2, 4.6 x 150 mm 10 mM Na_2HPO_4 pH 7 : Acetonitrile, 39:1 1 ml/min 215 nm 1 mg/3 ml 0.01 M NaOH
Purity: HPLC	>97.5%		
Stability	6-Hydroxymethylpterin is light sensitive. It is not hygroscopic. The powder stored at room temperature for 3 months is stable with no change in its purity seen with HPLC analysis after this time. A 1 mM solution of HMP in 0.01 M NaOH is only slightly unstable at RT with 6% degradation seen by HPLC analysis after storage at RT for 7 days.		
Storage	Keep the powder dry in vials at $-20^{\circ}C$ or colder. HMP can be transported without the use of dry ice.		
Use	HMP is an important standard for analytical work. Our product is sold for laboratory use only.		
Safety	HMP is known to be safe and there are no special precautions required in handling this product.		

Further data sheets can be found on our website www.schircks.ch

The information given in this publication is based on our current knowledge and experience. It does not relieve users or processors from carrying out their own precautions and tests.