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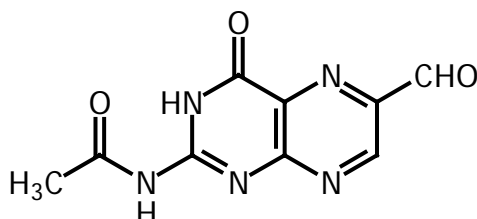
DATA SHEET

Acetyl-6-formylpterin

Product No. 11.418

Abbreviation: Ac6FP

CAS No. 29769-49-1



$C_9H_7N_5O_3$

MW: 233.2

Description	Light yellow, beige powder															
Solubility	Acetyl-6-formylpterin is practically insoluble in water. It is slightly soluble in 0.01 N NaOH.															
Analytical methods	<table> <tr> <td>HPLC Conditions</td> <td>column</td> <td>Waters Spherisorb S5-ODS 1, 4.6 x 150 mm</td> </tr> <tr> <td></td> <td>eluant</td> <td>10 mM Na_2HPO_4 pH 6 : Methanol, 4:1</td> </tr> <tr> <td></td> <td>flow rate</td> <td>1.5 ml/min</td> </tr> <tr> <td></td> <td>wavelength</td> <td>254 nm</td> </tr> <tr> <td></td> <td>solution</td> <td>1 mg/4 ml 0.01N NaOH</td> </tr> </table>	HPLC Conditions	column	Waters Spherisorb S5-ODS 1, 4.6 x 150 mm		eluant	10 mM Na_2HPO_4 pH 6 : Methanol, 4:1		flow rate	1.5 ml/min		wavelength	254 nm		solution	1 mg/4 ml 0.01N NaOH
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	solution	1 mg/4 ml 0.01N NaOH														
Purity: HPLC	>97.5%															
Stability	Acetyl-6-formylpterin is very light sensitive . It is not hygroscopic. The powder stored in the dark at room temperature for 3 months was very stable and no change in its purity was seen. A 1 mM solution of Ac6FP in 0.01N NaOH is unstable at RT. HPLC analysis of the solution after 2 hours showed 26% degradation.															
Storage	Keep the powder dry in vials at $-20^{\circ}C$ or colder. Ac6FP can be transported without the use of dry ice.															
Use	Ac6FP is a starting material for polyglutamates. It is sold for laboratory use only.															
Safety	Ac6FP 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.