

Schircks Laboratories  
 Buechstrasse 10  
 CH-8645 Jona  
 Switzerland  
 Telephone +41 (0) 55 / 225 52 25  
 Telefax +41 (0) 55 / 225 52 26  
 E-Mail labschircks@gmail.com  
 Website www.schircks.ch

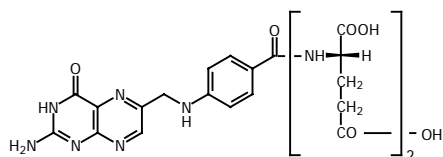
# Schircks Laboratories

## DATA SHEET Pteroylpolyglutamates Product No.'s 16.252 and 16.267

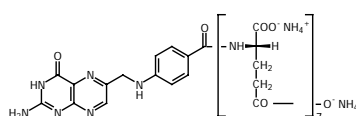
Synonym: Folylpolyglutamates,

Abbreviations used :Pte-Glu<sub>2</sub> and Pte-Glu<sub>7</sub>

We have not prepared data sheets for each of the Pte-Glu<sub>n</sub> but we have data sheets for two members of the group.



Pte-Glu<sub>2</sub> Product no. 16.252  
 C<sub>24</sub>H<sub>26</sub>N<sub>8</sub>O<sub>9</sub> MW 570.5



Pteroylhepta-γ-L-glutamic acid,  
 ammonium salt

C<sub>49</sub>H<sub>63</sub>N<sub>21</sub>O<sub>24</sub>  
 1352.34

C 43.52% H 6.34% N 21.75% O 28.39%

Product no. 16.267

Product number		16.252	16.267
Description		yellow-orange powder	yellow-orange powder
Solubility in H <sub>2</sub> O		0.1 g per 100g	Freely soluble
pH of a 1 mM soln. in H <sub>2</sub> O		3.1	5.4
HPLC Conditions	column	Waters Spherisorb S5 ODS1 4.6x150 mm	Waters Spherisorb S5 ODS1 4.6x150 mm
	eluant	10 mM Na <sub>2</sub> HPO <sub>4</sub> pH 6.0 / Methanol (9:1)	10mM Na <sub>2</sub> HPO <sub>4</sub> pH 6.0
	flow rate	1.0 ml/min	1.0 ml/min
	wavelength	254 nm	254 nm
	solution	0.6 mg/ml 0.01 M NaOH	1.2 mg/ml H <sub>2</sub> O
UV Conditions		Please refer to reference 2 found in "Literature" below.	
Purity: HPLC		>97.0%	>97.0%
Stability	powder	Pte-Glu <sub>n</sub> substances are light sensitive. After storage in a freezer of -20°C or colder for 3½ years there was no degradation noted. Storage at room temperature, open, for 6 weeks resulted in only 1% degradation. In tightly closed vials the powder is stable at ambient temperature for several weeks.	
	solutions	1 mM solution in water left open at 25°C degrades at 0.3% / 3 days. Because of low solubility traces of NH <sub>3</sub> had to be added.	1 mM solution in water left open degrades at 0.3% / 3 days.
Storage		Keep the powder dry in vials at -20°C or colder. These compounds can be transported without the use of dry ice.	
Safety Information		Pte-Glu <sub>n</sub> are regarded as safe for laboratory use. We are not aware of any special precautions required for handling these products. It is sold for laboratory use only.	
Literature		1)Please refer to entries for folic acid and methotrexate in the Merck Index. 2)Godwin H.A., et al, The Synthesis of Biologically Active Pteroyl oligo-γ-L-glutamates (Folic Acid Conjugates). J. Biol. Chem., <u>247</u> , (1972), 2266-2271, (UV-absorption).	

Further data sheets can be found on our website [www.schircks.ch](http://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.