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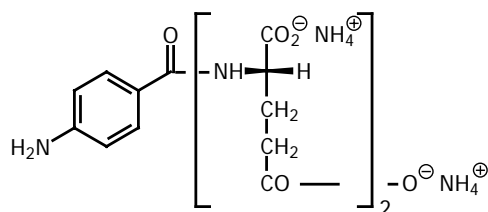
# Schircks Laboratories

## DATA SHEET

### p-Aminobenzoylpolyglutamates Product Numbers 16.702 and 16.707

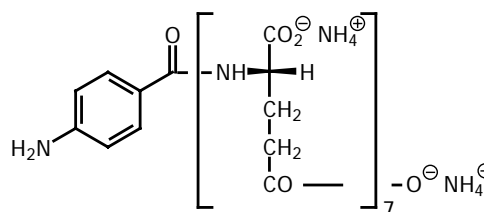
Abbreviations used: PABA-Glu<sub>2</sub> and PABA-Glu<sub>7</sub>

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



PABA-Glu<sub>2</sub> ammonium salt  
 C<sub>17</sub>H<sub>18</sub>N<sub>3</sub>O<sub>8</sub>(NH<sub>4</sub>)<sub>3</sub>

Prod. No. 16.702  
 MW 446.5



PABA-Glu<sub>7</sub> ammonium salt  
 C<sub>42</sub>H<sub>48</sub>N<sub>8</sub>O<sub>23</sub>(NH<sub>4</sub>)<sub>8</sub>

Prod. No. 16.707  
 MW 1177.2

Product number		16.702	16.707
Description		white powder	white powder
Solubility in H <sub>2</sub> O		very soluble	very soluble
pH of a 1 mM solution in water		4.7	5.9
HPLC Conditions	column	Waters Spherisorb S5 ODS2 4.6x250 mm	Phase Sep Partisil SAX 4.6x250 mm
	eluant	10 mM Na <sub>2</sub> HPO <sub>4</sub> pH 3.0 / MeOH (9:1)	300 mM Na <sub>2</sub> HPO <sub>4</sub> pH 3 / Methanol (25.7:1)
	flow rate	1.0 ml/min	1.5 ml/min
	wavelength	215 nm	215 nm
	solution	0.5 mg/ml H <sub>2</sub> O	1.2 mg/ml H <sub>2</sub> O
Purity: HPLC		98.0% - 99.5%	98.0% - 99.5%
Stability	powder	PABA-Glu <sub>n</sub> substances are not light sensitive but very hygroscopic.	
	solutions	1 mM solution in water left open degrades at 0.64% / 3 days.	1 mM solution in water left open degrades at 1.29% / 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. In tightly closed vials they are stable at ambient temperature for several weeks.	
Safety Information		PABA-Glu <sub>n</sub> are regarded as safe for laboratory use. We are not aware of any special precautions required for handling these products. Our products are 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., 247, (1972), 2266-2271, (UV-absorption).	

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