

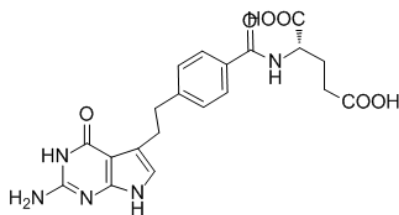
# Certificate of Analysis

<b>Product Name</b>	: Pemetrexed
<b>Cat. No.</b>	: PC-42709
<b>CAS No.</b>	: 137281-23-3
<b>Batch No.</b>	: PC-4270901
<b>Chemical Name</b>	: L-Glutamic acid, N-[4-[2-(2-amino-4,7-dihydro-4-oxo-3H-pyrrolo[2,3-d]pyrimidin-5-yl)ethyl]benzoyl]-

## PHYSICAL AND CHEMICAL PROPERTIES

<b>Molecular Weight</b>	: 427.4106	
<b>Molecular Formula</b>	: C <sub>20</sub> H <sub>21</sub> N <sub>5</sub> O <sub>6</sub>	
<b>Storage</b>	: Powder	-20°C 3 years
		4°C 2 years
	In solvent	-80°C 6 months
		-20°C 1 month

**Chemical Structure :**



## ANALYTICAL DATA

<b>Appearance</b>	: Solid powder
<b><sup>1</sup>H NMR Spectrum</b>	: Consistent with
<b>HPLC</b>	: Consistent with
<b>NP</b>	: Consistent with
<b>Purity (HPLC)</b>	: >98%
<b>Conclusion</b>	: The product has been tested and complies with the given specifications.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

E-mail: [tech@probechem.com](mailto:tech@probechem.com)