

Certificate of Analysis

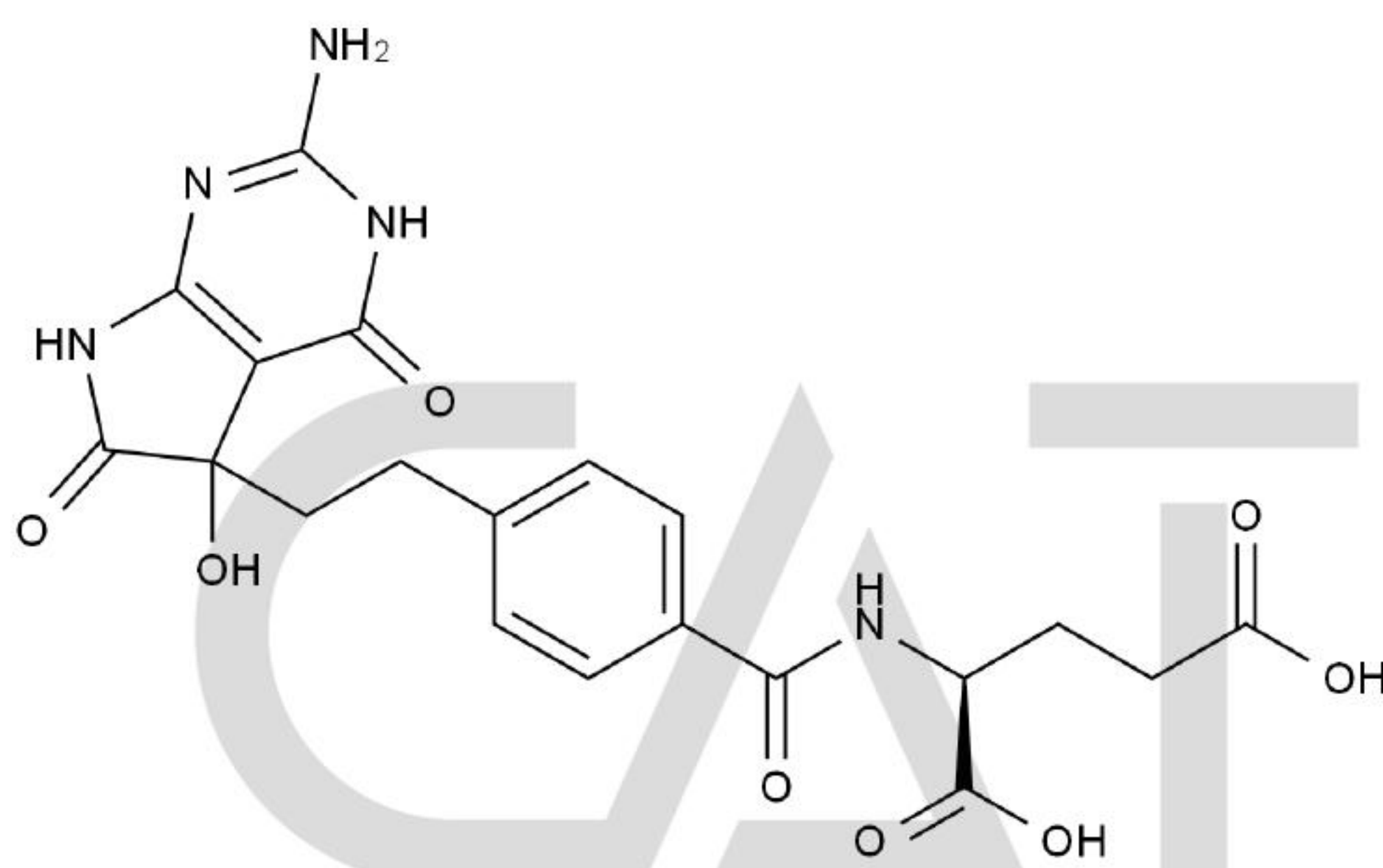
Reference Material & Standard

Product Name:	Pemetrexed Impurity N17	Catalogue Number:	CP120168
Synonyms:	N/A	Lot Number:	0922-RG-0010
CAS Number:	1644286-36-1	Expiry Date:	Aug 28, 2027
Molecular Formula:	C ₂₀ H ₂₁ N ₅ O ₈	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	459.42		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	91.28 %
Loss On Drying	TGA	11.158%
Assay		81.1%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

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Date: Sep 22, 2025

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