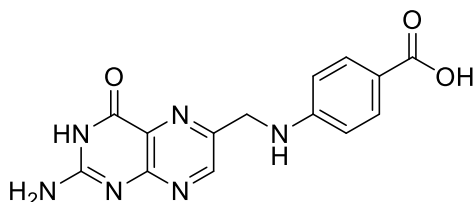


## Pterioic acid

Code No.: **BIA-P2526**

Pack sizes: **1 mg, 5 mg**



Synonyms : NSC 14972, Pyrofolic acid

## Specifications

CAS #	: <b>119-24-4</b>
Molecular Formula	: <b>C<sub>14</sub>H<sub>12</sub>N<sub>6</sub>O<sub>3</sub></b>
Molecular Weight	: <b>312.28</b>
Source	: <b>Synthetic</b>
Appearance	: <b>White solid</b>
Purity	: <b>&gt;95% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in methanol or DMSO</b>

## Application Notes

Pterioic acid is an endogenous degradation product of folic acid (pteroyl glutamic acid). Pterioic acid is able to mediate the selective delivery of ligands to tumors overexpressing the folate receptor despite having minimal affinity, further stimulating research into the antitumor activity of pterioic acid conjugates. Investigation into the SAR of the ability of folate and pterioic acid conjugates of the hydroxamide histone deacetylase inhibitors to target folate receptor overexpressing cancer cells, showed that pterioic acid hydroxamates but not folate hydroxamates displayed anticancer activities against the folate receptor positive (FRp) tumors KB and HeLa.

## References

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