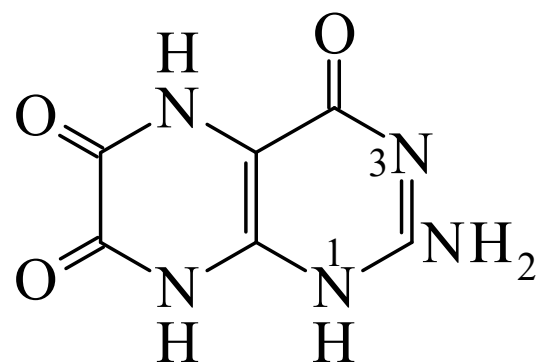




>>Entry Name: 2-Amino-5,8-dihydro-4,6,7(1H)-pteridinetri-
one, 9CI

Synonym(s): Leucopterin



CAS Registry Number: 492-11-5

Molecular Formula: C₆H₅N₅O₃

Molecular Weight: 195.137

Accurate Mass: 195.03924

Percentage Composition: C 36.93%; H 2.58%; N 35.89%; O 24.60%

Biological Source: Found in the wings of many butterflies, e.g. *Pieris brassicae*

Physical Description: Cryst.

Other Data: Blue fluor. in alkaline soln. Forms yellow salts

Fluka: 61951

Sigma: L9501

References:

Wieland, Th. *et al.*, *Annalen*, 1940, **544**, 172, (*synth*)

Pfleiderer, W. *et al.*, *Chem. Ber.*, 1957, **90**, 2631; 1961, **94**, 118, (*synth, struct*)

Mueller, G., *Helv. Chim. Acta*, 1973, **56**, 2680, (*cmr*)

Pfleiderer, W., *J. Het. Chem.*, 1992, **29**, 583, (*rev*)