1,4-Butanediame (Cat. No. HY-N2407, CAS No. 110-60-1) is a compound with the molecular formula C₄H₁₂N₂ and molecular weight 88.15. It is an endogenous metabolite and is involved in metabolic enzyme/protease pathways.

**Storage:** Please store the product under the recommended conditions in the COA.

**BIOLOGICAL ACTIVITY**

**Description:**
1,4-Butanediame is an indicator of pollution-induced stress in higher plants: barley and rape stressed with Cr(III) or Cr(VI). 1,4-Butanediame is an important source of GABA.

**IC₅₀ & Target:**
1,4-Butanediame (Putrescine) is an important source of GABA in the postnatal rat subventricular zone. GABA synthesis from an alternative pathway uses 1,4-Butanediame as a precursor.

**REFERENCES**

[1]. Haushild MZ. Putrescine (1,4-diaminobutane) as an indicator of pollution-induced stress in higher plants: barley and rape stressed with Cr(III) or Cr(VI). Ecotoxicol Environ Saf. 1993 Oct;26(2):228-47.


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**Caution:** Product has not been fully validated for medical applications. For research use only.