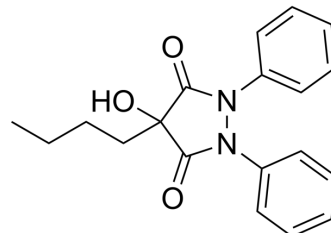


4-Hydroxyphenylbutazone

Cat. No.:	HY-139199
CAS No.:	16860-43-8
Molecular Formula:	C ₁₉ H ₂₀ N ₂ O ₃
Molecular Weight:	324.37
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	4-Hydroxyphenylbutazone is a metabolite of Phenylbutazone. Phenylbutazone, a nonsteroidal anti-inflammatory agent (NSAID), is an efficient reducing cofactor for the peroxidase activity of prostaglandin H synthase (PHS) ^[1] .
In Vitro	4-hydroxyphenylbutazone is isolated from incubations of phenylbutazone with either ram seminal vesicle microsomes or horseradish peroxidase. 4-hydroxyphenylbutazone is ineffective inhibitor of PHS cyclooxygenase ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Hughes MF, et, al. Prostaglandin hydroperoxidase-dependent oxidation of phenylbutazone: relationship to inhibition of prostaglandin cyclooxygenase. Mol Pharmacol. 1988 Aug;34(2):186-93.

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

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