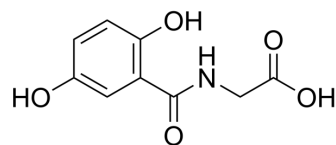


Gentisuric acid

Cat. No.:	HY-W338852
CAS No.:	25351-24-0
Molecular Formula:	C ₉ H ₉ NO ₅
Molecular Weight:	211.17
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Gentisuric acid, a metabolite of Aspirin (HY-14654), is a substrate of α -amidating monooxygenase (PAM). Gentisuric acid prevents DNA-damage by Mitomycin C (HY-13316)^{[1][2]}.

REFERENCES

[1]. DeBlassio JL, et al. Amidation of salicylic acid and gentisuric acid: a possible role for peptidylglycine α -amidating monooxygenase in the metabolism of aspirin. Arch Biochem Biophys. 2000 Nov 1;383(1):46-55.

[2]. Niikawa M, et al. Suppressive effect of post- or pre-treatment of aspirin metabolite on mitomycin C-induced genotoxicity using the somatic mutation and recombination test in *Drosophila melanogaster*. Biomed Pharmacother. 2007 Feb-Apr;61(2-3):113-9.

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

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