SZABO SCANDIC

Part of Europa Biosite

# Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!

## Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

## Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand


**SZABO-SCANDIC HandelsgmbH**

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

# Gentisuric acid

**Cat. No.:** HY-W338852

**CAS No.:** 25351-24-0

**Molecular Formula:** $C_9H_9NO_5$

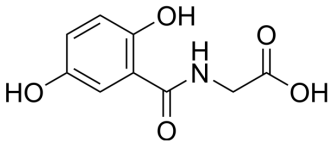
**Molecular Weight:** 211.17

**Target:** Drug Metabolite

**Pathway:** Metabolic Enzyme/Protease

**Storage:** 4°C, protect from light

* In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)




## SOLVENT & SOLUBILITY

**In Vitro**

DMSO : 83.33 mg/mL (394.61 mM; Need ultrasonic)

| Preparing Stock Solutions | Mass / Solvent / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|---|
| | 1 mM | 4.7355 mL | 23.6776 mL | 47.3552 mL |
| | 5 mM | 0.9471 mL | 4.7355 mL | 9.4710 mL |
| | 10 mM | 0.4736 mL | 2.3678 mL | 4.7355 mL |

Please refer to the solubility information to select the appropriate solvent.

## 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 salicyluric acid and gentisuric acid: a possible role for peptidylglycine alpha-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.**

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA