



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 Handels GmbH

Quellenstraße 110, A-1100 Wien

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

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

mail@szabo-scandic.com

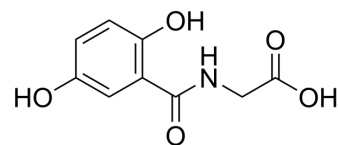
www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic)



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:	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)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	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 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.

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