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

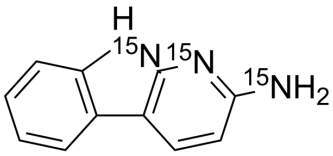
mail@szabo-scandic.com

www.szabo-scandic.com

linkedin.com/company/szaboscandic

AalphaC-$^{15}N_3$

Cat. No.:	HY-W700491
CAS No.:	1189920-50-0
Molecular Formula:	$C_{11}H_9{}^{15}N_3$
Molecular Weight:	186.19
Target:	Isotope-Labeled Compounds; Endogenous Metabolite
Pathway:	Others; Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

AalphaC-$^{15}N_3$ (2-Amino-α-carboline-$^{15}N_3$) is ^{15}N labeled AalphaC. AalphaC (AαC) is a potential carcinogen with carcinogenic activity. AalphaC is an important biomarker in tobacco smoke and is associated with tobacco smoke exposure. Urinary concentrations of AalphaC are significantly higher in dedicated smokers than in non-smokers, indicating its importance in monitoring tobacco exposure. AalphaC levels increase significantly with increasing serum nicotine levels, indicating its close relationship with tobacco use. In addition, consuming high-temperature cooked beef significantly increases the amount of AalphaC in urine, while consuming vegetables is associated with a decrease in AalphaC concentrations. Smoking half a pack of cigarettes is associated with a significant increase in the amount of AalphaC, which further confirms the biological activity of AalphaC and its association with dietary habits[1][2].

REFERENCES

[1]. Russak EM, et al. Impact of Deuterium Substitution on the Pharmacokinetics of Pharmaceuticals. Ann Pharmacother. 2019 Feb;53(2):211-216.

[2]. Evaluation of Tobacco Smoke and Diet as Sources of Exposure to Two Heterocyclic Aromatic Amines for the U.S. Population: NHANES 2013-2014

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