



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Azurin p28 peptide TFA

<b>Cat. No.:</b>	HY-P5910A
<b>Molecular Formula:</b>	C <sub>122</sub> H <sub>197</sub> N <sub>31</sub> O <sub>47</sub> S <sub>2</sub> ·xCF <sub>3</sub> COOH
<b>Sequence:</b>	Leu-Ser-Thr-Ala-Ala-Asp-Met-Gln-Gly-Val-Val-Thr-Asp-Gly-Met-Ala-Ser-Gly-Leu-Asp-Lys-Asp-Tyr-Leu-Lys-Pro-Asp-Asp Leu-Ser-Thr-Ala-Ala-Asp-Met-Gln-Gly-Val-Val-Thr-Asp-Gly-Met-Ala-Ser-Gly-Leu-Asp-Lys-Asp-Tyr-Leu-Lys-Pro-Asp-Asp (TFA salt)
<b>Sequence Shortening:</b>	LSTAADMQGVVTDGMASGLDKDYLPDD
<b>Target:</b>	MDM-2/p53; Apoptosis
<b>Pathway:</b>	Apoptosis
<b>Storage:</b>	Please store the product under the recommended conditions in the Certificate of Analysis.

### BIOLOGICAL ACTIVITY

#### Description

Azurin p28 peptide TFA is a tumor-penetrated antitumor peptide. Azurin p28 peptide TFA reduces proteasomal degradation of p53 through formation of a p28: p53 complex. Azurin p28 peptide TFA induces apoptosis or cell cycle arrest. Azurin p28 peptide TFA inhibits p53-positive tumor growths. Azurin p28 peptide TFA shows antiangiogenic effect by inhibiting phosphorylation of VEGFR-2, FAK and Akt<sup>[1][2][3]</sup>.

### REFERENCES

- [1]. Mehta RR, et al. A cell penetrating peptide derived from azurin inhibits angiogenesis and tumor growth by inhibiting phosphorylation of VEGFR-2, FAK and Akt. *Angiogenesis*. 2011 Sep;14(3):355-69.
- [2]. Jia L, et al. Preclinical pharmacokinetics, metabolism, and toxicity of azurin-p28 (NSC745104) a peptide inhibitor of p53 ubiquitination. *Cancer Chemother Pharmacol*. 2011 Aug;68(2):513-24.
- [3]. Yamada T, et al. A peptide fragment of azurin induces a p53-mediated cell cycle arrest in human breast cancer cells. *Mol Cancer Ther*. 2009 Oct;8(10):2947-58.

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

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