



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

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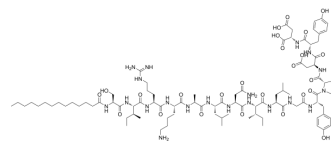
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mSIRK

Cat. No.:	HY-P5985
CAS No.:	593267-11-9
Molecular Formula:	C ₉₃ H ₁₅₀ N ₂₀ O ₂₅
Molecular Weight:	1948.31
Sequence:	{Myr}-Ser-Ile-Arg-Lys-Ala-Leu-Asn-Ile-Leu-Gly-Tyr-Pro-Asp-Tyr-Asp
Sequence Shortening:	{Myr}-SIRKALNILGYPDYD
Target:	ERK
Pathway:	MAPK/ERK Pathway; Stem Cell/Wnt
Storage:	Sealed storage, away from moisture
	Powder -80°C 2 years
	-20°C 1 year



* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (51.33 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		0.5133 mL	2.5663 mL	5.1327 mL
	5 mM		0.1027 mL	0.5133 mL	1.0265 mL
	10 mM		0.0513 mL	0.2566 mL	0.5133 mL

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

BIOLOGICAL ACTIVITY

Description

mSIRK (G-Protein βγ Binding Peptide) is an cell-permeable activator of ERK1/2, with EC₅₀ of 2.5-5 μM. mSIRK disrupts the interaction between α and βγ subunits and promotes α subunit dissociation without stimulating nucleotide exchange^[1].

REFERENCES

[1]. Farida Goubaeva, et al. Stimulation of Cellular Signaling and G Protein Subunit Dissociation by G Protein βγ Subunit-binding Peptides. J Biol Chem. 2003 May 30;278(22):19634-41.

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

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