



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

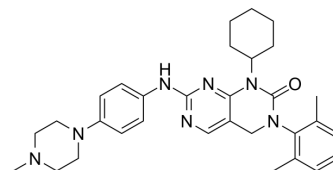
mail@szabo-scandic.com

www.szabo-scandic.com

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

YKL-06-062

Cat. No.:	HY-129141
CAS No.:	2172617-16-0
Molecular Formula:	C ₃₁ H ₃₉ N ₇ O
Molecular Weight:	525.69
Target:	Salt-inducible Kinase (SIK)
Pathway:	Immunology/Inflammation
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (47.56 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.9023 mL	9.5113 mL	19.0226 mL
	5 mM		0.3805 mL	1.9023 mL	3.8045 mL
	10 mM		0.1902 mL	0.9511 mL	1.9023 mL

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

BIOLOGICAL ACTIVITY

Description

YKL-06-062 is a second-generation salt-inducible kinase (SIK) inhibitor with an IC₅₀ of 2.12 nM/1.40 nM/2.86 nM for SIK1, SIK2 and SIK3, respectively^[1].

In Vitro

YKL 06-062 (0.0004-16 μM; 3 hours) increases MITF mRNA expression in a dose-dependent manner^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

RT-PCR^[1]

Cell Line:	Human melanocyte cells, UACC62 melanoma cells
Concentration:	0.0004 μM, 0.004 μM, 0.04 μM, 0.4 μM, 4 μM, 8 μM, 16 μM
Incubation Time:	3 hours
Result:	Unregulated MITF mRNA expression.

REFERENCES

[1]. Mujahid N, et al. A UV-Independent Topical Small-Molecule Approach for Melanin Production in Human Skin. Cell Rep. 2017 Jun 13;19(11):2177-2184.

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