



SZABO SCANDIC

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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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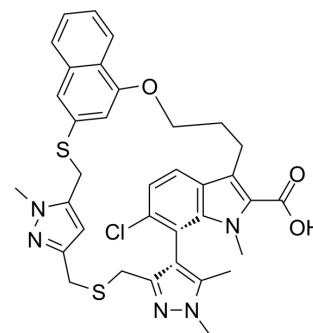
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AZD-5991 (S-enantiomer)

Cat. No.:	HY-101533B
CAS No.:	2143061-82-7
Molecular Formula:	C ₃₅ H ₃₄ ClN ₅ O ₃ S ₂
Molecular Weight:	672.26
Target:	Bcl-2 Family
Pathway:	Apoptosis
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (185.94 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	1.4875 mL	7.4376 mL	14.8752 mL
	5 mM	0.2975 mL	1.4875 mL	2.9750 mL
	10 mM	0.1488 mL	0.7438 mL	1.4875 mL

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

BIOLOGICAL ACTIVITY

Description

AZD-5991 S-enantiomer is the less active enantiomer of AZD-5991. AZD-5991 S-enantiomer is a Mcl-1 inhibitor with an IC₅₀ of 6.3 μM in FRET assay and a K_d of 0.98 μM in surface plasmon resonance (SPR) assay.

IC₅₀ & Target

Mcl-1 6.3 μM (IC ₅₀)	Mcl-1 0.98 μM (K _d)
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REFERENCES

[1]. Tron AE, et al. Discovery of Mcl-1-specific inhibitor AZD5991 and preclinical activity in multiple myeloma and acute myeloid leukemia. Nat Commun. 2018 Dec 17;9(1):5341.

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

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