



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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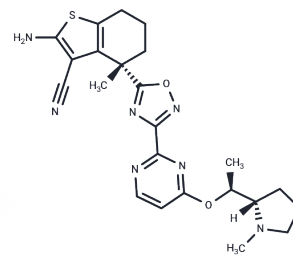
[www.szabo-scandic.com](http://www.szabo-scandic.com)

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BI-2865

## Chemical Properties

CAS No. :	2937327-93-8
Formula:	C <sub>23</sub> H <sub>27</sub> N <sub>7</sub> O <sub>2</sub> S
Molecular Weight:	465.57
Appearance:	no data available
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year



## Biological Description

Description	BI-2865 is a non-covalent pan-KRAS inhibitor. BI-2865 binds to KRAS WT, G12C, G12D, G12V, and G13D mutants with KD values of 6.9, 4.5, 32, 26, and 4.3 nM, respectively. BI-2865 showed antiproliferative activity in BaF3 cells expressing KRAS G12C, G12D, or G12V mutants. BI-2865 showed antiproliferative activity on BaF3 cells expressing KRAS G12C, G12D or G12V mutants with an average IC <sub>50</sub> value of approximately 140 nM.
Targets(IC <sub>50</sub> )	Ras
In vitro	BI-2865 inhibits the proliferation of BaF3 cells expressing G12C, G12D or G12V mutant KRAS in the presence of IL-13 with a mean IC <sub>50</sub> of approximately 140nM.[1]

## Solubility Information

Solubility	DMSO: 225.0 mg/mL (483.3 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1479 mL	10.7395 mL	21.479 mL
5 mM	0.4296 mL	2.1479 mL	4.2958 mL
10 mM	0.2148 mL	1.074 mL	2.1479 mL
50 mM	0.043 mL	0.2148 mL	0.4296 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

## Reference

Guo Y, Tian J, Guo Y, et al. Oncogenic KRAS effector USP13 promotes metastasis in non-small cell lung cancer through deubiquitinating  $\beta$ -catenin. Cell Reports. 2023, 42(12).

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