



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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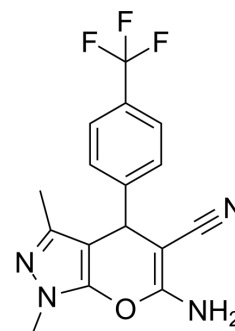
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BQU57

Cat. No.:	HY-12875
CAS No.:	1637739-82-2
Molecular Formula:	C ₁₆ H ₁₃ F ₃ N ₄ O
Molecular Weight:	334.3
Target:	Ras
Pathway:	GPCR/G Protein; MAPK/ERK Pathway
Storage:	Powder -20°C 3 years 4°C 2 years In solvent -80°C 2 years -20°C 1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 100 mg/mL (299.13 mM)
 * "≥" means soluble, but saturation unknown.

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.9913 mL	14.9566 mL	29.9133 mL
	5 mM		0.5983 mL	2.9913 mL	5.9827 mL
	10 mM		0.2991 mL	1.4957 mL	2.9913 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
 Solubility: ≥ 2.5 mg/mL (7.48 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
 Solubility: ≥ 2.5 mg/mL (7.48 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

BQU57 shows selective inhibition for Ral relative to Ras or Rho and inhibit xenograft tumor growth similar to depletion of Ral by siRNA. The IC₅₀ for BQU57 of 2.0 μM in H2122 and 1.3 μM in H358. IC₅₀ value: 2.0 μM (H2122 cell), 1.3 μM (H358 cell) Target: Ralin vitro: BQU57 inhibits Ral binding to its effector RalBP1, Ral-mediated cell spreading in murine fibroblasts and anchorage-independent growth of human cancer cell lines. in vivo: H2122 xenograft tumors are collected 3h after a single intraperitoneal injection BQU57 (10/20/50 mg/kg) and activation of Ral in the extracts is analyzed in RalBP1 pull-down assays. Both RalA and RalB are significantly inhibited by BQU57. By contrast, no inhibition of Ras and RhoA activity is observed.

REFERENCES

[1]. Yan C, et al. Discovery and characterization of small molecules that target the GTPase Ral. Nature. 2014 Nov 20;515(7527):443-447.

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

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