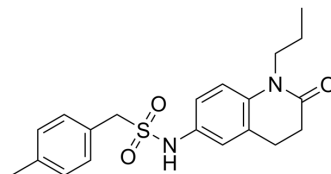


Quinabactin

Cat. No.:	HY-126478
CAS No.:	946270-26-4
Molecular Formula:	C ₂₀ H ₂₄ N ₂ O ₃ S
Molecular Weight:	372.48
Target:	Others
Pathway:	Others
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 (335.59 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.6847 mL	13.4235 mL	26.8471 mL
	5 mM	0.5369 mL	2.6847 mL	5.3694 mL
	10 mM	0.2685 mL	1.3424 mL	2.6847 mL

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

BIOLOGICAL ACTIVITY

Description

Quinabactin is a sulfonamide Abscisic acid (ABA) agonist. Quinabactin promotes guard cell closure, inhibits water loss, and promotes drought tolerance in adult Arabidopsis and soybean plants^[1].

REFERENCES

[1]. Okamoto M, et al. Activation of dimeric ABA receptors elicits guard cell closure, ABA-regulated gene expression, and drought tolerance. Proc Natl Acad Sci U S A. 2013 Jul 16;110(29):12132-7.

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

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