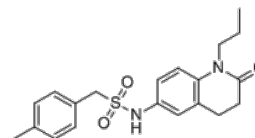


Product Name : Quinabactin
Cat. No. : PC-73280
CAS No. : 946270-26-4
Molecular Formula : C₂₀H₂₄N₂O₃S
Molecular Weight : 372.483
Target : Other Targets
Solubility : 10 mM in DMSO



Biological Activity

Quinabactin is a small molecule **abscisic acid (ABA) receptor** agonist that preferentially activates dimeric ABA receptors and possesses ABA-like potency *in vivo*.

Quinabactin induces the transcriptional responses correlated with those induced by ABA treatments in *Arabidopsis*.

The effects of quinabactin are sufficiently similar to those of ABA that it is able to rescue multiple phenotypes observed in the ABA-deficient mutant *aba2*.

Quinabactin promotes root ABA signaling through dimeric receptors, fails to stabilize the monomeric receptor PYL8.

References

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Vaidya AS, et al. *ACS Chem Biol*. 2017 Nov 17;12(11):2842-2848.

Belda-Palazon B, et al. *Proc Natl Acad Sci U S A*. 2018 Dec 11;115(50):E11857-E11863.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com