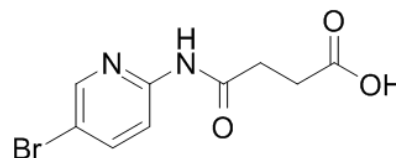


Product Name : Bikinin
Cat. No. : PC-43092
CAS No. : 188011-69-0
Molecular Formula : C₉H₉BrN₂O₃
Molecular Weight : 273.0834
Target : GSK-3
Solubility : DMSO: ≥ 42 mg/mL



Biological Activity

Bikinin (Abrasin) is a plant GSK-3/Shaggy-like kinases inhibitor that activates brassinosteroid (BR) signaling downstream of the BR receptor, binds and inhibits Arabidopsis thaliana GSK3-like kinases; interferes directly with BIN2 kinase activity, also strongly inhibited the activity of the group I Arabidopsis GSK3 subfamilies, but not the ASK β , ASK δ , and other Arabidopsis Ser/Thr kinases (AtMPK4, AtMPK6, and AtAURORA1); inhibits the SnRK2.3 kinase activity and its T180 phosphorylation in vivo.

References

- De Rybel B, et al. Chem Biol. 2009 Jun 26;16(6):594-604.
Cai Z, et al. Proc Natl Acad Sci U S A. 2014 Jul 1;111(26):9651-6.
Rozhon W, et al. BMC Plant Biol. 2014 Jun 19;14:172.

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

E-mail: tech@probechem.com