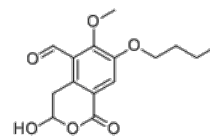


Product Name : 7-BIA
Cat. No. : PC-35733
CAS No. : 1313403-49-4
Molecular Formula : C₁₅H₁₈O₆
Molecular Weight : 294.303
Target : Protein Phosphatase/PTP
Solubility : 10 mM in DMSO



Biological Activity

7-BIA is a small molecule 7-butoxy illudalic acid analog that targets receptor-type protein tyrosine phosphatase D (**PTPRD**, IC₅₀=1-3 uM) with some specificity.

7-BIA weakly inhibits PTPRS (IC₅₀=40 uM), displays IC₅₀>100 uM at any of many tested receptors, transporters, or sites of action of other drugs.

7-BIA reduces cocaine-conditioned place preference in mice without toxicity, 7-BIA provides a lead compound for addiction therapeutics.

References

Uhl GR, et al. *Proc Natl Acad Sci U S A*. 2018 Oct 22. pii: 201720446.

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

E-mail: tech@probechem.com