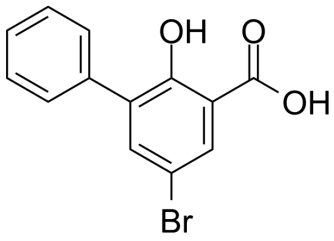
5-Bromo-3-phenyl salicylic acid

Cat. No.:	HY-118819
CAS No.:	99514-99-5
Molecular Formula:	$C_{13}H_9BrO_3$
Molecular Weight:	293.11
Target:	Aldose Reductase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	5-Bromo-3-phenyl salicylic acid is a selective inhibitor for human 20α-hydroxysteroid dehydrogenase (AKR1C1) with K_i of 140 nM[1].
IC_{50} & Target	K_i: 140 nM (AKR1C1), 1.97 μM (AKR1C2), 21 μM (AKR1C3)
In Vitro	5-Bromo-3-phenyl salicylic acid (10 μM) inhibits metabolism of progesterone in cell BAECs[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. El-Kabbani O, et al., Structure-guided design, synthesis, and evaluation of salicylic acid-based inhibitors targeting a selectivity pocket in the active site of human 20alpha-hydroxysteroid dehydrogenase (AKR1C1). J Med Chem. 2009 May 28;52(10):3259-64.

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

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