

Product Information

AhR inhibitor, Tapinarof, Purity $\geq 98\%$

Cat. No.: X24-09-YM454

Size: 5 mg; 10 mg; 50 mg; 100 mg

MDL: MFCD13193203

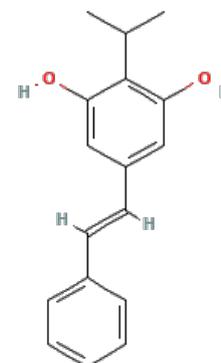
CAS Number: 79338-84-4

Compound CID: 6439522

Synonym: 79338-84-4; Benvitimod; WBI 1001; WBI1001; WBI-1001; GSK2894512; GSK 2894512; GSK-2894512; 5-[(E)-2-Phenylethenyl]-2-propan-2-ylbenzene-1,3-diol;

AhR inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	Tapinarof, soluble in DMSO and ethanol and insoluble in water, is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting AhR. The molecular weight of the compound is 254.32, and its molecular formula is $C_{17}H_{18}O_2$.
Molecular Weight	254.32
Molecular Formula	$C_{17}H_{18}O_2$
IUPAC Name	5-[(E)-2-Phenylethenyl]-2-propan-2-ylbenzene-1,3-diol
InChI	InChI=1S/C17H18O2/c1-12(2)17-15(18)10-14(11-16(17)19)9-8-13-6-4-3-5-7-13/h3-12,18-19H,1-2H3/b9-8+
InChI Key	ZISJNXNHJRQYJO-CMDGGOBGSA-N
Canonical SMILES	<chem>CC(C)C1=C(C=C(C=C1O)C=CC2=CC=CC=C2)O</chem>
Isomeric SMILES	<chem>C[C@@H](CO)NC(=O)C1=CC(=NN(C1=O)C2=CC(=CC=C2)F)C3=CC=C(C=C3)Cl</chem>
Form	Lyophilized powder
Purity	$\geq 98\%$
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 43 mg/mL (169.07 mM); Water: insoluble; Ethanol: 43 mg/mL (169.07 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	Tapinarof can be used for its anti-inflammatory and immunomodulatory effects, making it a valuable



therapeutic option in dermatology.

Storage

Store at -20°C, and keep desiccated.
