



Product Information

Estrogen receptor inhibitor GW9508, Purity $\geq 98\%$

Cat. No.: X24-06-ZQ693

Size: 10 mg; 25 mg; 50 mg; 100 mg

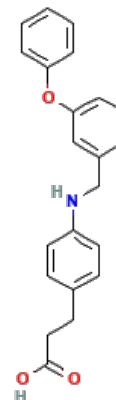
MDL: MFCD09753282

CAS Number: 885101-89-3

Compound CID: 11595431

Synonym: 885101-89-3; Estrogen receptor inhibitor; GW 9508; GW-9508

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



Product Information

Description	GW9508, soluble in DMSO and ethanol and insoluble in water, prevents the growth of cancer cells that depend on estrogen for proliferation. It targets GPR120 and GPR40.
Molecular Weight	347.4
Molecular Formula	C ₂₂ H ₂₁ NO ₃
Targets	GPR120: 5.46 (pEC ₅₀); GPR40: 7.32 (pEC ₅₀)
IUPAC Name	3-[4-[(3-Phenoxyphenyl)methylamino]phenyl]propanoic acid
InChI	InChI=1S/C22H21NO3/c24-22(25)14-11-17-9-12-19(13-10-17)23-16-18-5-4-8-21(15-18)26-20-6-2-1-3-7-20/h1-10,12-13,15,23H,11,14,16H2,(H,24,25)
InChI Key	DGENZVKCTGIDRZ-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C(C=C1)OC2=CC=CC(=C2)CNC3=CC=C(C=C3)CCC(=O)O
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 63 mg/mL (181.34 mM); Water: Insoluble; Ethanol: 63 mg/mL (181.34 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Quality Level	Research grade
Applications	GW9508 is used in studies focused on inhibiting estrogen receptor signaling pathways with implications in cancer and metabolic diseases.
Storage	Store at -20°C, and keep desiccated.



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