

Product Information

RS-1, Purity ≥98%

Cat. No.: X24-09-YM1396

Size: 5 mg; 10 mg; 20 mg; 50 mg

MDL: MFCD00348720

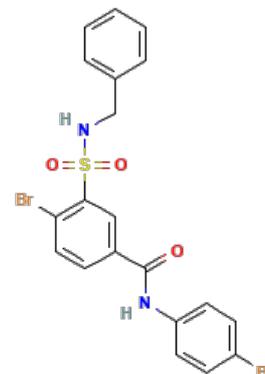
CAS Number: 312756-74-4

Compound CID: 1039737

Synonym: 312756-74-4; RS1; RS 1;

3-(Benzylsulfamoyl)-4-bromo-*N*-(4-bromophenyl)benzamide

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



Product Information

Description	RS-1, soluble in DMSO and insoluble in water and ethanol, is a RAD51-stimulatory compound, which increases the DNA binding activity of RAD51. The molecular weight of the compound is 524.23, and its molecular formula is C ₂₀ H ₁₆ Br ₂ N ₂ O ₃ S.
Molecular Weight	524.23
Molecular Formula	C ₂₀ H ₁₆ Br ₂ N ₂ O ₃ S
IUPAC Name	3-(Benzylsulfamoyl)-4-bromo- <i>N</i> -(4-bromophenyl)benzamide
InChI	InChI=1S/C20H16Br2N2O3S/c21-16-7-9-17(10-8-16)24-20(25)15-6-11-18(22)19(12-15)28(26,27)23-13-14-4-2-1-3-5-14/h1-12,23H,13H2,(H,24,25)
InChI Key	SWKAVEUTKGKHSR-UHFFFAOYSA-N
Canonical SMILES	C1=CC=C(C=C1)CNS(=O)(=O)C2=C(C=CC(=C2)C(=O)NC3=CC=C(C=C3)Br)Br
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 94 mg/mL (179.31 mM); Water: insoluble; Ethanol: insoluble
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	RS-1 plays a key role in cardiac research to study the modulation of calcium-dependent processes.
Storage	Store at -20°C, and keep desiccated.

