



Product Information

PARP inhibitor MN-64, Purity $\geq 98\%$

Cat. No.: X23-10-ZQ205

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

MDL: MFCD00829158

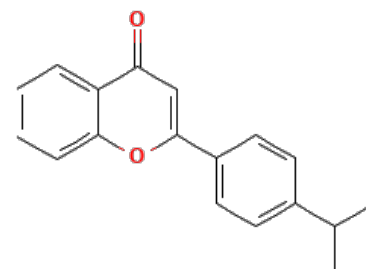
CAS Number: 92831-11-3

Compound CID: 2802462

Synonym: 92831-11-3; mn-64; MN 64; 4'-Isopropylflavone;

2-(4-Isopropylphenyl)-4H-chromen-4-one; 2-(4-Propan-2-ylphenyl)chromen-4-one;

2-(4-Isopropylphenyl)-4H-chromen-4-one; PARP inhibitor



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

Product Information

Description	MN-64, soluble in DMSO and ethanol and insoluble in water, binds to the PARP enzyme's active site, preventing it from repairing single-strand DNA breaks.
Molecular Weight	264.32
Molecular Formula	C ₁₈ H ₁₆ O ₂
IUPAC Name	2-(4-Propan-2-ylphenyl)chromen-4-one
InChI	InChI=1S/C18H16O2/c1-12(2)13-7-9-14(10-8-13)18-11-16(19)15-5-3-4-6-17(15)20-18/h3-12H,1-2H3
InChI Key	PYTOHIUBXSJKQH-UHFFFAOYSA-N
Canonical SMILES	CC(C)C1=CC=C(C=C1)C2=CC(=O)C3=CC=CC=C3O2
Form	Lyophilized powder
Purity	$\geq 98\%$
Solubility	DMSO: 46 mg/mL (174.03 mM); Water: Insoluble; Ethanol: 46 mg/mL (174.03 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	The product is stable for three years when stored at the recommended temperature in lyophilized powder.
Applications	MN-64 can be used to study the inhibition of tankyrase and its potential as a cancer therapeutic.
Storage	Store at -20°C.