

Product Name : IC 86621

Synonyms : IC86621

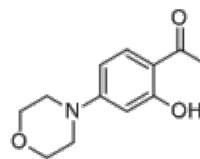
Cat No. : M14383

CAS Number : 404009-40-1

Molecular Formula : C₁₂H₁₅NO₃

Formula Weight : 221.26

Chemical Name : 1-(2-hydroxy-4-morpholinophenyl)ethanone



Description : IC 86621 is a potent DNA-PK inhibitor with IC₅₀ of 135 nM, also inhibits p110β (IC₅₀=135 nM), less potent for p110α/γ/δ (IC₅₀=880-1,400 nM); directly inhibits the repair of DNA DSBs and consequently enhances the cytotoxicity of physical and chemical agents that induce DSBs but not other DNA lesions.

Pathway : Cell Cycle/DNA Damage

Target : DNA-PK

Receptor : DNA-PK

Solubility : —

SMILES : CC(=O)C1=CC=C(N2CCOCC2)C=C1O

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Kashishian A, et al. Mol Cancer Ther. 2003 Dec;2(12):1257-64. 2. Allen C, et al. Mol Cancer Res. 2003 Oct;1(12):913-20.