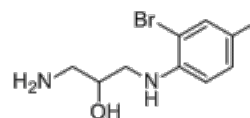


Product Name : CBP-93872
Synonyms : CBP93872; CBP 93872
Cat No. : M15571
CAS Number : 67427-51-4
Molecular Formula : C₁₀H₁₅BrN₂O
Formula Weight : 259.14
Chemical Name : 1-amino-3-((2-bromo-4-methylphenyl)amino)propan-2-ol



Description : A potent G2 checkpoint inhibitor that specifically abrogates the DNA double-stranded break (DSB)-induced G2 checkpoint; directly suppresses the growth of p53-mutated cancer cell lines with wild-type CDKN2A by eliciting G(1) arrest, but not CDKN2A-deleted and/or wild-type p53 lines; decreases phospho-cdc2 Y15 by inhibiting phosphorylation of Chk1; specifically inhibits DSB-mediated and Nbs1-dependent activation of ATR.

Pathway : Cell Cycle/DNA Damage

Target : ATM/ATR

Receptor : ATM/ATR

Solubility : —

SMILES : OC(CNC1=CC=C(C)C=C1Br)CN

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Harada N, et al. Anticancer Drugs. 2011 Nov;22(10):986-94. | 2. Hirokawa T, et al. Cancer Res. 2014 Jul 15;74(14):3880-9. | 3. Iwata T, et al. PLoS One. 2017 May 30;12(5):e0178221.