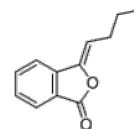


Product Name : N-butylidenephthalide
Cat. No. : PC-61325
CAS No. : 551-08-6
Molecular Formula : C₁₂H₁₂O₂
Molecular Weight : 188.226
Target : TAM Receptor (Tyro3-Axl-Mer)
Solubility : 10 mM in DMSO



Biological Activity

N-butylidenephthalide (NSC 325307) is a natural compound derived from *Angelica sinensis* that inhibits malignant brain tumor growth in vitro and in vivo.

N-butylidenephthalide upregulates the expression of p21 and p27, decrease sphosphorylation of Rb proteins, causes cell arrest at the G0/G1 phase in GBM tumor cells.

N-butylidenephthalide inhibits the expression of Axl and reduces the migratory and invasive capabilities of GBM cells.

N-butylidenephthalide inhibits tumour growth and suppresses **Axl** expression in tumour models.

References

Yen SY, et al. *Oncogene*. 2016 Apr 28;35(17):2156-65.

Lin PC, et al. *J Neurochem*. 2008 Aug;106(3):1017-26.

Tsai NM, et al. *J Neurochem*. 2006 Nov;99(4):1251-62.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

E-mail: tech@probechem.com