

Product Name : ZM 336372

Synonyms : ZM336372;ZM-336372

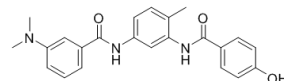
Cat No. : M13244

CAS Number : 208260-29-1

Molecular Formula : C₂₃H₂₃N₃O₃

Formula Weight : 389.40

Chemical Name : Benzamide, 3-(dimethylamino)-N-[3-[(4-hydroxybenzoyl)amino]-4-methylphenyl]-



Description : ZM 336372 is a potent, specific inhibitor of Raf isoforms in vitro (c-Raf IC₅₀=70 nM), paradoxically induces >100-fold activation of c-Raf (Raf-1 activator), but without triggering any activation of MKK1 or p42 MAPK/ERK2; suppresses growth and neuroendocrine hormone levels in carcinoid tumor cells, with marked induction of the cell cycle inhibitors p21 and p18; blocks cellular proliferation and suppresses NE vasoactive peptide production in pheochromocytoma cells.

Pathway : MAPK/ERK Signaling

Target : Raf

Receptor : C-Raf

Solubility : 10 mM in DMSO

SMILES : O=C(NC1=CC=C(C)C(NC(NC2=CC=C(O)C=C2)=O)=C1)C3=CC=CC(N(C)C)=C3

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Hall-Jackson CA, et al. Chem Biol. 1999 Aug;6(8):559-68. | 2. Van Gompel JJ, et al. Mol Cancer Ther. 2005 Jun;4(6):910-7. | 3. Kappes A, et al. J Surg Res. 2006 Jun 1;133(1):42-5. | 4. Kunnimalaiyaan M, et al. Surgery. 2007 Dec;142(6):959-64; discussion 959-64.