



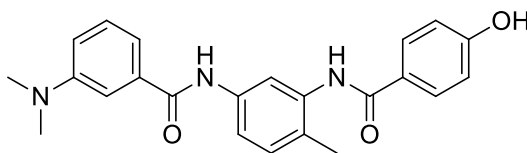
**Catalog # 10-1030**

**ZM-336372**

CAS# 208260-29-1

3-(Dimethylamino)-N-[3-[(4-hydroxybenzoyl)-amino]-4-methylphenyl]benzamide

Lot # X112189



Potent and specific inhibitor of the protein kinase c-Raf ( $IC_{50}=70\text{nM}$ ). Has no significant effect on many other protein kinases tested (even at  $50\mu\text{M}$ ) with the exception of p38 (SAPK2a) ( $IC_{50}=2\mu\text{M}$ ) and SAPK2b (p38 $\beta$ ) ( $IC_{50}=2\mu\text{M}$ ). Induces a paradoxical >100-fold activation of c-Raf in whole cells. Induces apoptosis in a variety of cell lines. Cell permeable.

- 1) Hall-Jackson *et al.* (1999), *Paradoxical activation of Raf by a novel Raf inhibitor*; Chem. Biol., **6** 559
- 2) Deming *et al.* (2010), *ZM336372 induces apoptosis associated with phosphorylation of GSK-3 $\beta$  in pancreatic adenocarcinoma cell lines*; J. Surg. Res., **161** 28

**PHYSICAL DATA**

Molecular Weight:	389.46
Molecular Formula:	C <sub>23</sub> H <sub>23</sub> N <sub>3</sub> O <sub>3</sub>
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 25 mg/ml)
Physical Description:	Off-white solid
Storage and Stability:	Store as supplied at -20°C for up to 2 years from the date of purchase. Protect from exposure to moisture. Solutions in DMSO may be stored at -20°C for up to 1 month.

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