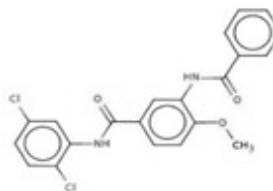


RIPK2 Inhibitor 2

ORDERING INFORMATION

Catalog No.: 19510-BID003
Size: 10mg
Form: Powder



BACKGROUND

RIPK2 (Receptor Interacting Protein Kinase 2) is the obligate kinase of the NOD2 intracellular pathogen recognition pathway receptor and an upstream kinase activator for NFκB via activation of TAK1. Inhibiting the activity of RIPK2 may have an effect on inflammatory responses.

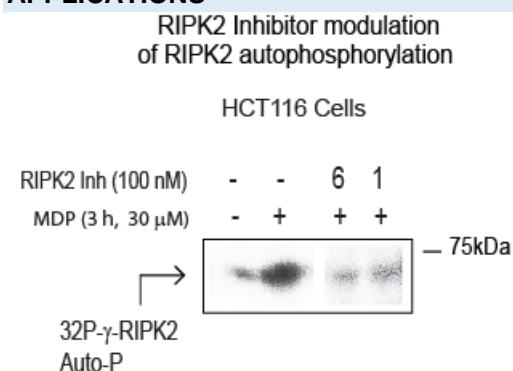
SPECIFICATION SUMMARY

Alternative Name: N-(5-((2,5-dichlorophenyl) amino)carbonyl)-2-methoxyphenyl)nicotinamide.

Molecular Weight: 416.26g/mol

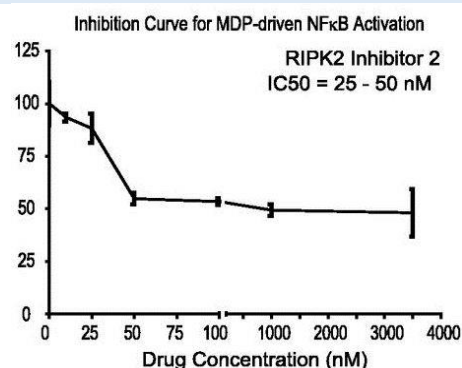
Solubility: Stocks should be made up in 100% DMSO to 10-20mM. Stocks can be diluted in >10% DMSO to desired concentration or dissolved in 100% olive oil.

APPLICATIONS



RIPK2 autophosphorylation (indicator of activation) at site Y474 of RIPK2 is shown. Inhibition of autophosphorylation was performed on colon cancer cell line HCT116 treated with MDP (muramyl dipeptide) as described by Salla M et al. (see Product References below). "6" is product 19510-BID003, "1" is product 19510-BID002.

See additional applications in Salla M et al. (Product Reference below).



NFκB gene reporter assay determination of inhibition of MDP-stimulated NFκB activity in HCT116 cells with RIPK2 inhibitor 19510-BID003 (referred to as RIPK2 inhibitor 2 in figure).

STORAGE AND STABILITY

Store at -80°C in appropriate aliquots to avoid multiple freeze-thaw cycles.

PRODUCT REFERENCE

Salla M et al. *Identification and Characterization of Novel Receptor-Interacting Serine/Threonine-Protein Kinase 2 Inhibitors using structural similarity analysis*. 2018 J Pharmacol Exp Ther 365: 354-367.

For investigational use only. Not for use in therapeutic or diagnostic procedures.