

DATA SHEET

Product Name: Niclosamide

Catalog #: CV-1025

Alt: CAS # 50-65-7; 5-Chloro-N-(2-chloro-4-nitrophenyl)-2-hydroxybenzamide

Molecular Mass: 327.1

Analysis: >98% (HPLC); NMR (conforms)

Supplied As: Yellow powder

Resuspension: May be dissolved in DMSO (14 mg/ml, warm); or Ethanol (6 mg/ml)

Storage: Store, as supplied, at ambient temperature for up to 3 years.
Store solutions at -20°C for up to 3 months.

Description: Reversibly inhibits mTORC1 signaling and stimulates autophagy¹. Inhibits activation and nuclear translocation of STAT3 selectively over STAT1 and STAT5. Inhibits transcription of STAT3 target genes and induces cell cycle arrest and apoptosis in cells with constitutively active STAT3². Reverses radioresistance in human lung cancer cells and xenografts³.

References:

1. Balgi, A.D., et al., (2009) PloS One, 4: e7124
2. Ren, X., et al., (2010) ACS Med. Chem. Lett., 1: 454
3. Shuo, Y., et al., (2013) Mol. Cancer Ther., 13: 606

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