

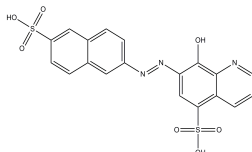
Product: NSC-87877

ALTERNATE NAME: 8-Hydroxy-7-[(6-sulfo-2-naphthyl)azo]-5-quinolinesulfonic acid

CATALOG #: 2687-10, 50

AMOUNT: 10 mg, 50 mg

STRUCTURE:



MOLECULAR FORMULA: C₁₉H₁₃N₃O₇S₂

MOLECULAR WEIGHT: 459.45

CAS NUMBER: 56990-57-9

APPEARANCE: Black solid

SOLUBILITY: H₂O (~20 mg/ml) or DMSO (~ 5 mg/ml)

PURITY: ≥98% by HPLC

STORAGE: Store at -20 °C. Protect from air and moisture

DESCRIPTION: NSC-87877 is a cell-permeable inhibitor of both SHP-1 and SHP-2 protein tyrosine phosphatases (IC₅₀ = 355 and 318 nM, respectively). It is much less effective against other protein tyrosine phosphatases and the dual-specificity phosphatase 26. Inhibits EGF-induced Erk1/2 activation in HEK293 cells and significantly reduces MDA-MB-468 cell viability/proliferation.

REFERENCES: Chen, L., *et al.* (2006). *Mol. Pharmacol.* **70**, 562-570.

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

RELATED PRODUCTS:

Bakuchiol (**Cat. No. 2494-1, 5**)

bpV(phen) (**Cat. No. 1793-5**)

bpV(pic) (**Cat. No. 1794-5**)

Calyculin A (**Cat. No. 1562-025**)

Cantharidin (**Cat. No. 2510-10, 50**)

EZBlock™ Phosphatase Inhibitor Cocktail I (**Cat. No. K273-1ML, 1EA**)

EZBlock™ Phosphatase Inhibitor Cocktail II (**Cat. No. K275-1ML, 1EA**)

EZBlock™ Phosphatase Inhibitor Cocktail III (**Cat. No. K276-1ML, 1EA**)

GSK-283071 (**Cat. No. 2578-1,5**)

Microcystin-LR (**Cat. No. 1840-100, 500**)

Okadaic Acid (**Cat. No. 1543-025**)

Okadaic Acid, Ammonium Salt (**Cat. No. 1766-025**)

Okadaic Acid, Potassium Salt (**Cat. No. 1765-025**)

Okadaic Acid, Sodium Salt (**Cat. No. 1764-025**)

VO-OHpic (**Cat. No. 1801-5, 25**)

FOR RESEARCH USE ONLY! Not to be used on humans.