

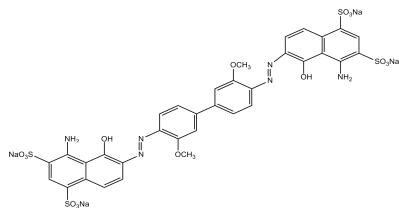
MIF Antagonist, p425

ALTERNATE NAME: Chicago Sky blue 6B; 6,6'-[(3,3-Dimethoxy[1,1'-biphenyl]-4,4'-diyl)bis(azo)]bis[4-amino-5-hydroxy-1,3-naphthalenedisulphonic acid] tetrasodium salt

CATALOG #: 2158-1G

AMOUNT: 1 g

STRUCTURE:



MOLECULAR FORMULA: C₃₄H₂₄N₆Na₄O₁₆S₄

MOLECULAR WEIGHT: 992.79

CAS NUMBER: 2610-05-1

APPEARANCE: Brown to dark brown solid

SOLUBILITY: H₂O (10 mg/ml)

PURITY: ≥Dye content (~80%)

STORAGE: Store at RT. Protect from air and light

DESCRIPTION: A counterstain for background autofluorescence in fluorescence and immunofluorescence histochemistry. Acts as an allosteric MIF (macrophage migration inhibitory factor) inhibitor. It occupies an interface of MIF trimers, leading to the loss of its tautomerase, receptor binding, and pro-inflammatory activities. An excellent tool to design MIF-directed therapeutics for inflammatory diseases.

REFERENCE: Bai, F., *et al.* (2012). *J. Biol. Chem.* **287**, 30653-30663.

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

RELATED PRODUCTS:

MIF Antibody (**Cat. No. 5571-100**)

MIF Antagonist, ISO-1 (**Cat. No. 1895-5**)

MIF, human recombinant (**Cat. No. 4984-10, 100, 1000**)

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