

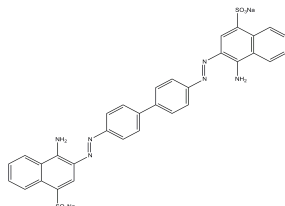
**PRODUCT: Congo Red**

**ALTERNATE NAME:** 3,3'-[(1,1'-Biphenyl)-4,4'-diyl-bis(2,1-diazenediyl)]bis(4-amino-1-naphthalenesulfonic acid) disodium salt

**CATALOG #:** 2588-100, 500

**AMOUNT:** 100 mg, 500 mg

**STRUCTURE:**



**MOLECULAR FORMULA:** C<sub>32</sub>H<sub>22</sub>N<sub>6</sub>Na<sub>2</sub>O<sub>6</sub>S<sub>2</sub>

**MOLECULAR WEIGHT:** 696.66

**CAS No.** 573-68-0

**APPEARANCE:** Dark red solid

**SOLUBILITY:** H<sub>2</sub>O (~ 5 mg/ml) or DMSO (~5 mg/ml)

**PURITY:** ≥98% by HPLC

**STORAGE:** Store at RT. Protect from light and moisture

**DESCRIPTION:** An amyloid fibril-binding dye; inhibits Fib-beta A neurotoxicity by inhibiting fibril formation or by binding to preformed fibrils. Congo red also inhibits the pancreatic islet cell toxicity of diabetes-associated amylin, another type of amyloid fibril. Also acts as an inhibitor of protease-resistant prion protein formation.

**REFERENCES:** Demaimay, R., *et al.* (1998). *J. Neurochem.* **71**, 2534-1441; Lorenzo, A., and Yankner, B.A. (1994). *Proc. Natl. Acad. Sci. USA* **91**, 12243-12247;

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

**RELATED PRODUCTS:**

- Evans Blue Tetrasodium (**Cat. No. 2586-1G**)
- Glutamate Colorimetric Assay Kit (Cat. No. K629-100)
- JM6 (**Cat. No. 1913-5, 25**)
- Kainic acid (**Cat. No. 2279-5, 25**)
- RO 61-8048 (**Cat. No. 1912-5, 25**)
- Rose Bengal (**Cat. No. 2587-100, 500**)

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