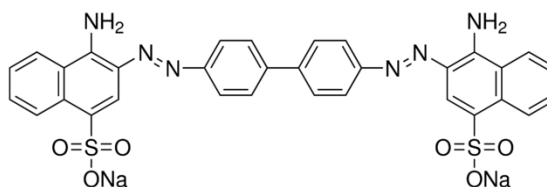


PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: Congo Red "high purity grade"**CATALOG NUMBER:** 80028**MOLECULAR INFORMATION:** C₃₂H₂₂N₆ Na₂O₆S₂
Mwt: 696.66
[573-58-0]**PROPERTIES:****Color & Form** Red solid
Purity ≥ 97% by HPLC
Solubility Soluble in water, DMSO, EtOH**STORAGE AND HANDLING:** Stored desiccated at 4 °C upon receipt.**APPLICATION:** Congo Red has been used in microscopy for staining elastic fibers and bacteria. Amyloid protein, an abnormal protein aggregate associated with various pathologies, is commonly detected in tissue with Congo Red. Detection of amyloid is relevant for a whole host of diseases, including Alzheimer's disease, Creutzfeld-Jakob's disease and Bovine Spongiform Encephalopathy. The birefringence of Congo Red-stained amyloid, appearing green under polarized light, improves detection relative to simple visible examination of the colored deposits. Additionally, upon binding to amyloid, Congo Red displays bright fluorescence emission at 614 nm with excitation at 497nm.**TOXICITY:** Unknown**FIRST AID:** Potentially harmful. Avoid prolonged or repeated exposure. Avoid getting in eyes, on skin, or on clothing. Wash thoroughly after handling. If eye or skin contact occurs, wash affected areas with plenty of water for 15 minutes and seek medical advice. In case of inhaling or swallowing, move individual to fresh air and seek medical advice immediately.**Disclaimer:** Materials from Biotium are sold for research use only, and are not intended for food, drug, household, or cosmetic use. Biotium is not liable for any damage resulting from handling or contact with this product.