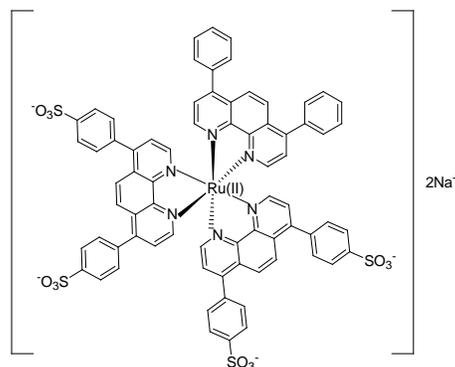


PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: **RuBP-4S** ([Ruthenium(bathophenanthroline)(bis(bathophenanthroline)disulfonate)], disodium salt)

CATALOG # **80025**

MOLECULAR INFORMATION: $C_{72}H_{44}N_6Na_2O_{12}RuS_4$
MWt: 1460.46

**PROPERTIES:**

Color & Form Yellow solid
Solubility Soluble in water
Absorption/Emission 462 (broad)/603 nm (in H₂O)
Extinction Coefficient 32,000

STORAGE AND HANDLING: Store at 4 °C and protect from light

APPLICATION: RuBP-4S is a luminescent ruthenium complex similar to RuBPS (#80021). Two of the bathophenanthroline ligands are bis-sulfonated while the third bathophenanthroline ligand is neutral, resulting in an overall double negative charges of the ruthenium complex. RuBP-4S shares the spectral properties of RuBPS and may also have similar applications (See product description for #80021).

TOXICITY: Not established. Not listed by NTP, IARC or OSHA.

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.

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