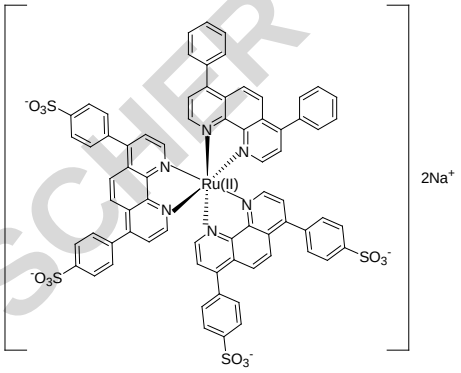
46117 Landing Parkway, Fremont, CA 94538 U.S.A.
Tel: 1-510-265-1027; Fax: 1-510-265-1352
www.biotium.com

PRODUCT AND SAFETY DATA SHEET

PRODUCT NAME: **RuBP-4S** ([Ruthenium(bathophenanthroline)(bis(bathophenanthrolinedisulfonate))], 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 H_2O)
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.

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.*

DOMINIQUE DUTSCHER SAS