

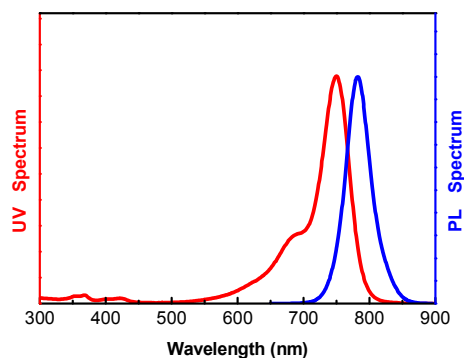
Certificate of Analysis

Flamma™ Fluor FR-749

1. Product Information

Code No.	PWA1308
Formula	C ₄₁ H ₅₃ N ₃ O ₉ S ₃
Molecular Weight	828.07
Absorbance Wavelength Maximum	749nm(distilled water)
Emission wavelength maximum	782nm(distilled water)
Molar Extinction Coefficient	1.82 × 10 ⁵ M ⁻¹ cm ⁻¹
Usable pH range	6-12(recommended pH 9)
Purity	≥99%
Storage Conditions	Store refrigerated at 2-8°C in the dark.

UV/PL Spectrum



※ The product name, Flamma™ Fluor FR-749, will be changed to Flamma™ Fluor FPI-749 from Sep 23, 2009

2. Product Feature

- Product Solubility: This Product can be dissolved in DMF, H₂O, phosphate or carbonate buffer, and various biological buffers.
- This product can be used in various buffers that are used in chemical experiments.
- Buffer, such as methanol, ethanol, that contain alcohol should not be used with this product to avoid reduce the validity period of this product

- Conjugation with biomolecules including amino-, thiol-, and hydroxyl- groups, and/or the nano-organic compounds is possible.
- Room temperature storage is possible, but it is recommended to store this product at 2-8°C when dissolved in solvents.
- A long-term storage is possible when dissolved in DMF or DMSO(1mg Flamma / 100 μ l DMF or DMSO).

3. Safety Warnings and Precautions

- Warning: For research only. Not recommended or intended for diagnosis of disease in humans or animals. Do not use internally or externally in humans or animals.
- We recommend that this products and components are handled only by those persons who have been trained in laboratory techniques and that it is used in accordance with the principles of good laboratory practice. As all chemicals should be considered as potentially hazardous, it is advisable when handling chemical reagents to wear suitable protective clothing, such as laboratory overalls, safety glasses and gloves. Care should be taken to avoid contact with skin or eyes. In case of contact with skin or eyes, wash immediately with water.
- Caution: This dye is intensely colored and very reactive. Care should be exercised when handling the dye vial to avoid staining clothing, skin, and other items.



BioActs



Michael Chung, QC Manager

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