

FLUORESCENT BIS-TRIFLUOROMETHYL CARBORHODAMINE COMPOUNDS

Tech ID: 33587 / UC Case 2024-143-0

PATENT STATUS

Country	Type	Number	Dated	Case
Patent Cooperation Treaty	Published Application	WO 2026/050410	03/05/2026	2024-143

BRIEF DESCRIPTION

UCB researchers have developed a novel class of bright, fluorescent rhodamine dyes with a novel structural modification resulting in a deep red shift relative to the parent carborhodamine dye, with the new dye absorbing and emitting near-infrared light in the same region as the commercially successful silicon rhodamine dyes. Biological imaging with near-infrared light is advantageous for numerous biological and surgical applications.

Furthermore, bis-trifluoromethyl carborhodamines offer improved properties desirable for biological imaging applications due to their unique physical and electronic properties.

SUGGESTED USES

- » Biological imaging with near-infrared light

ADDITIONAL TECHNOLOGIES BY THESE INVENTORS

- ▶ Long Wavelength Voltage Sensitive Dyes
- ▶ Voltage-Sensitive Fluorescent (VF) Dyes For Neuronal Imaging
- ▶ FLUORESCENT PROBES AND USES THEREOF
- ▶ PHOTO-INDUCED ELECTRON TRANSFER VOLTAGE SENSITIVE DYES

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INVENTORS

- » Miller, Evan W.

OTHER INFORMATION

CATEGORIZED AS

- » **Imaging**
- » Medical
- » Other
- » **Medical**
- » Imaging
- » **Research Tools**
- » Reagents

RELATED CASES

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