



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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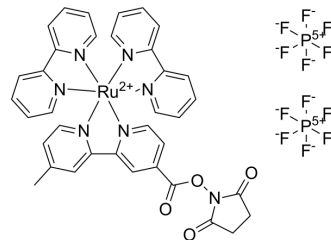
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## Ru(bpy)2(mcbpy-O-Su-ester)(PF6)2

<b>Cat. No.:</b>	HY-W127716
<b>CAS No.:</b>	136724-73-7
<b>Molecular Formula:</b>	C <sub>36</sub> H <sub>29</sub> F <sub>12</sub> N <sub>7</sub> O <sub>4</sub> P <sub>2</sub> Ru
<b>Molecular Weight:</b>	1014.66
<b>Target:</b>	Fluorescent Dye
<b>Pathway:</b>	Others
<b>Storage:</b>	-20°C, sealed storage, away from moisture and light * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



### BIOLOGICAL ACTIVITY

<b>Description</b>	Ru(bpy)2(mcbpy-O-Su-ester)(PF6)2 is a potent ruthenium-based dye. Ru(bpy)2(mcbpy-O-Su-ester)(PF6)2 can be used as an effective quencher of quantum dots (QDs) fluorescence and the capture probe of virus antigen EV71. Ru(bpy)2(mcbpy-O-Su-ester)(PF6)2 can be used sensitive electrogenerated chemiluminescence (ECL) labels for detection of matrix metalloproteinases (MMPs) <sup>[1][2][3]</sup> .
<b>In Vitro</b>	Ru(bpy)2(mcbpy-O-Su-ester)(PF6)2 can be used as a label to measure the hydrodynamic radii of intravitreal anti-VEGF drugs [2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### CUSTOMER VALIDATION

- Arch Oral Biol. 2023 Mar 29;150:105692.

See more customer validations on [www.MedChemExpress.com](http://www.MedChemExpress.com)

### REFERENCES

- [1]. Chen L, et al. Dual-color fluorescence and homogeneous immunoassay for the determination of human enterovirus 71. *Anal Chem.* 2011 Oct 1;83(19):7316-22.
- [2]. Hirvonen LM, et al. Hydrodynamic Radii of Ranibizumab, Aflibercept and Bevacizumab Measured by Time-Resolved Phosphorescence Anisotropy. *Pharm Res.* 2016 Aug;33(8):2025-32.
- [3]. HongfangGao, et al. Highly selective electrogenerated chemiluminescence biosensor for simultaneous detection of matrix metalloproteinase-2 and matrix metalloproteinase-7 in cell secretions. *Sensors and Actuators B: Chemical*, December 2017, 69-76.

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**Caution: Product has not been fully validated for medical applications. For research use only.**

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