

CERTIFICATE OF ANALYSIS

Product No.

F3R010A

Lot No.

EM1-30

RUB-C4-NH2

Comments:

Amine functionalized Ru(bpy)₃ derivative bearing a short (C₄) spacer arm. Useful label for fluorescence and electrochemiluminescence detection. Reacts towards electrophiles. With an activated carboxylic acid forms stable amide bond under mild conditions.

CAS No: /

Mol. Formula: C₃₅H₃₆Cl₃N₇O₁₂Ru

Mol. Weight: 954.13

λ_{abs} (nm): 452

λ_{em} (nm): 628

ε (M⁻¹cm⁻¹): 14600

Assay: ≥98%

Storage: RT

Expiry Date: No Expiry

TEST	SPECIFICATIONS	LOT RESULT
Appearance (Colour/Form):	Orange solid	Orange solid
¹ H-NMR:	Conforms to structure, Min. 98%	Conforms, >98%

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