

# Platinum trimethyl Luminophore Small Molecule (Tool Compound)

**Catalogue number:** 152741

**Sub-type:** Luminophore

**Images:**

## Contributor

**Inventor:** Michael Coogan

**Institute:** Lancaster University

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Platinum trimethyl Luminophore Small Molecule (Tool Compound)

**Alternate name:**

**Class:**

**Conjugate:**

**Description:** PtMe<sub>3</sub>(bpy)S-C<sub>6</sub>H<sub>4</sub>-CO<sub>2</sub>Me is air- and water stable, resistant to ligand substitution of the coordinated thiolate under physiological conditions, and with visible excitation, a Stokes shift of over 200 nm and red emission is an ideal candidate for fluorescence imaging experiments. PtMe<sub>3</sub>(bpy)S-C<sub>6</sub>H<sub>4</sub>-CO<sub>2</sub>Me is capable of permeating the cytoplasm and is not retained in the plasma membrane.

**Purpose:**

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:**

**Reactivity:**

**Selectivity:**

**Host:**

**Immunogen:**

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:**

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:**

**Target alternate names:**

**Target background:**

**Molecular weight:** 579

**Ic50:**

## Applications

**Application:**

**Application notes:**

## Handling

**Format:**

**Concentration:**

**Passage number:**

**Growth medium:**

**Temperature:**

**Atmosphere:**

**Volume:**

**Storage medium:**

**Storage buffer:**

**Storage conditions:** Air and water stable

**Shipping conditions:**

## Related tools

**Related tools:**

## References

**References:** Sarmay et al. 1990. Int Immunol. 2(12):1235-43. PMID: 2151027. ; Phosphorylation of type II Fc gamma receptor on activated human B lymphocytes. ; Schlossman, S.F. et al. 1989 Leukocyte Typing IV Oxford University Press

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