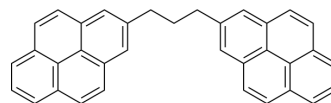


## 1,3-Di-(2-pyrenyl)propane

Cat. No.:	HY-147181
CAS No.:	97325-55-8
Molecular Formula:	C <sub>35</sub> H <sub>24</sub>
Molecular Weight:	444.57
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

1,3-Di-(2-pyrenyl)propane is a fluorescent indicator. 1,3-Di-(2-pyrenyl)propane can be used in fluidity of bacterial membrane lipids monitored by intramolecular excimerization. 1,3-Di-(2-pyrenyl)propane shows temperature dependence of fluorescence lifetime distributions<sup>[1][2]</sup>.

### REFERENCES

- [1]. Jurado AS, et al. Fluidity of bacterial membrane lipids monitored by intramolecular excimerization of 1,3-di(2-pyrenyl)propane. *Biochem Biophys Res Commun.* 1991 Apr 15;176(1):356-63.
- [2]. J.Phys. Chem, et al. Temperature dependence of fluorescence lifetime distributions in 1,3-di(1-pyrenyl)propane with the maximum entropy method. 1989, 93, 22, 7609-7618.

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

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