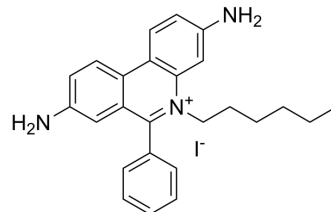


Hexidium iodide

Cat. No.:	HY-114227
CAS No.:	211566-66-4
Molecular Formula:	C ₂₅ H ₂₈ IN ₃
Molecular Weight:	497.41
Target:	DNA Stain
Pathway:	Cell Cycle/DNA Damage
Storage:	4°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

Description	Hexidium iodide, a fluorescent nucleic binding acid stain (excitation/emission ~ 518/600 nm), permeates to mammalian cells and selectively stains almost all gram-positive bacteria. Hexidium iodide can bind to the DNA of all bacteria after permeabilization by EDTA ^{[1][2]} .
In Vitro	Hexidium iodide allows assessment of Gram status by differential absorption through bacterial cell walls, selectively staining gram-positive organisms in suspension ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

- [1]. Shanmugam BK, et al. Biodegradation of tannery dye effluent using Fenton's reagent and bacterial consortium: A biocalorimetric investigation. J Environ Manage. 2019;242:106-113.
- [2]. Holm C, et al. A flow-cytometric gram-staining technique for milk-associated bacteria. Appl Environ Microbiol. 2003;69(5):2857-2863.

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

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