

INDO 1 pentasodium

Chemical Properties

CAS No. :

Formula:

Molecular Weight:

Keep away from direct sunlight

Storage:

Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.

Biological Description

Description	INDO 1 pentasodium functions as a ratiometric, free calcium ion (Ca ²⁺) fluorescent indicator, capable of quantitatively tracking the dynamic changes in intracellular free Ca ²⁺ concentration. In its free state, when unbound to Ca ²⁺ , INDO 1 pentasodium emits light at a peak of 485 nm upon excitation by ultraviolet light at 350 nm. When bound to Ca ²⁺ , the emission peak shifts to 405 nm. INDO 1 pentasodium exhibits considerable photostability, being prone to photobleaching, and its emission spectrum may overlap with the autofluorescence of NADH.
Targets(IC50)	Others

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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