

## Product Datasheet

### HOE-S 785026 trihydrochloride (orb2901568)

<b>Catalog Number</b>	orb2901568
<b>Category</b>	Small Molecules
<b>Description</b>	HOE-S 785026 trihydrochloride is a marker dye in Hoechst series. Hoechst is a live nuclear marker dye. Hoechst binds to the grooves in the DNA double strand, which tends to be A/ T-rich DNA strand. Although it binds to all nucleic acids, the A/ T-rich double strand DNA significantly enhances fluorescence intensity. Therefore, Hoechst dye can be used for living cell labeling. The fluorescence intensity of Hoechst dye increases with the increase of pH of solution.
<b>Purity</b>	>98% (HPLC)
<b>MW</b>	533.88
<b>Solubility (25°C)</b>	In Vitro: H <sub>2</sub> O : 47.3 mg/mL (88.60 mM)
<b>CAS Number</b>	2320308-12-9
<b>Formula</b>	C <sub>25</sub> H <sub>27</sub> Cl <sub>3</sub> N <sub>6</sub> O
<b>SMILES</b>	OC1=CC=CC(C2=NC3=CC(C4=NC5=CC(N6CCN(C)CC6)=CC=C5N4)=CC=C3N2)=C1.[H]Cl.[H]Cl.[H]Cl
<b>Storage</b>	Storage temperature: -20°C. Stability: ≥ 2 years
<b>Note</b>	For research use only
<b>Expiration Date</b>	12 months from date of receipt.

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