

## AgAuSe QDs

Cat. No.:	HY-D1394
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.

## AgAuSe QDs

### BIOLOGICAL ACTIVITY

<b>Description</b>	AgAuSe QDs (AgAuSe) is a near infrared (NIR) fluorescent quantum dots (QDs), with a bright emission from 820 to 1170 nm. AgAuSe QDs can be used for the research in biomedical imaging and NIR devices <sup>[1]</sup> .
<b>In Vitro</b>	AgAuSe QDs has a bright emission from 820 to 1170 nm and achieved a record absolute photoluminescence quantum yield (PLQY) of 65.3% at 978 nm emission among NIR-II QDs without a toxic element and a long lifetime of 4.58 $\mu$ s <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Yang H, et, al. Colloidal Alloyed Quantum Dots with Enhanced Photoluminescence Quantum Yield in the NIR-II Window. J Am Chem Soc. 2021 Feb 17;143(6):2601-2607.

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

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