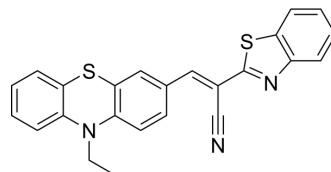


## PTZ-LD

Cat. No.:	HY-149596
CAS No.:	2231747-49-0
Molecular Formula:	C <sub>24</sub> H <sub>17</sub> N <sub>3</sub> S <sub>2</sub>
Molecular Weight:	411.54
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

Description	PTZ-LD is a phenothiazine (HY-Y0055)-based fluorescent probe for lipid droplets (LDs) detection. PTZ-LD is apparently emissive in LDs with high specificity. (Ex/Em=488/570-620 nm). PTZ-LD can be used for diabetic cataract (DC) research <sup>[1]</sup> .
In Vitro	Human lens epithelial (HLE) cells is treated with 5.5 mM glucose for 24 h and then stained with PTZ-LD (5 μM) for 30 min before confocal imaging <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

## REFERENCES

[1]. Guo S, et al. Fluorescence Imaging of Diabetic Cataract-Associated Lipid Droplets in Living Cells and Patient-Derived Tissues. ACS Sens. 2023 Sep 22.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA