

MQAE

Cat #:BMD00008

Lot #: Refer to product label

MQAE is an improved chloride indicator that has greater sensitivity to chloride than SPQ ($K_{sv}=118 \text{ M}^{-1}$) and higher fluorescence quantum yield.

Product Information

Product name MQAE

Specification

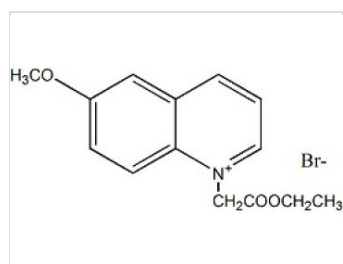


Fig. MQAE structure formula

Product Properties

Storage instructions Store at +4°C. The product can be stored for up to 12 months. Protect from light.

Shipping Gel pack with blue ice.

Precautions The product listed herein is for research use only and is not intended for use in human or clinical diagnosis. Suggested applications of our products are not recommendations to use our products in violation of any patent or as a license. We cannot be responsible for patent infringements or other violations that may occur with the use of this product.

Additional Information

Background MQAE (N-(Ethoxycarbonylmethyl)-6-methoxyquinolinium bromide) is an improved chloride indicator that has greater sensitivity to chloride ($K_{sv}=200 \text{ M}^{-1}$) than SPQ ($K_{sv}=118 \text{ M}^{-1}$) and higher fluorescence quantum yield. The ester group of MQAE may slowly hydrolyze inside cells, resulting in a change in its fluorescence response.

Alternative names N-(Ethoxycarbonylmethyl)-6-methoxyquinolinium bromide

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