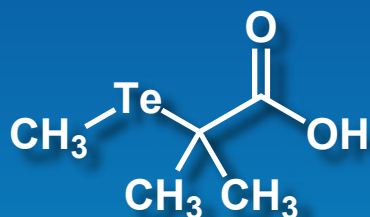


New

MATERIALS



# Organotellurium Chain Transfer Agent for Emulsion Polymerization in Water



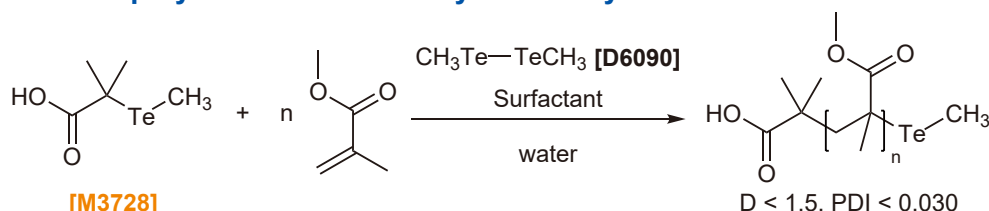
2-Methyl-2-(methyltellanyl)-  
propanoic Acid  
100mg  
[M3728]

## Advantages

- Water-soluble chain transfer agent for organotellurium-mediated radical polymerization (TERP) <sup>1)</sup>
- Suitable for emulsion polymerization of acrylic monomers, methacrylic monomers, styryl monomers
- Enables the synthesis of polymers with low polymer dispersity ( $D < 1.5$ ) and controlled particle size ( $PDI < 0.030$ )
- Applicable to the synthesis of structurally controlled block copolymers <sup>2)</sup>

## Application

### Emulsion polymerization of methyl methacrylate



References 1) W. Fan, S. Yamago, M. F. Cunningham, *et al.*, *Angew. Chem. Int. Ed.* **2018**, 57, 962. <https://doi.org/10.1002/anie.201710754>  
2) Y. Jiang, M. Tosaka, S. Yamago, *et al.*, *Angew. Chem. Int. Ed.* **2023**, 62, e202306916. <https://doi.org/10.1002/anie.202306916>

## Related Products (Organotellurium Reagents)

Ethyl 2-Methyl-2-(methyltellanyl)propanoate	100mg / 1g [E1508]
2-Methyl-2-(methyltellanyl)propanenitrile	100mg / 1g [M3520]
[1-(Methyltellanyl)ethyl]benzene	100mg / 1g [M3521]
Dimethyl Ditelluride	100mg / 1g [D6090]

For further information please refer to our website at [www.TCIchemicals.com](http://www.TCIchemicals.com).

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