


Certificate of Analysis

Catalog Number	BP13529
Product Name	TCID

Physical and Chemical Properties

Synonyms	UCH-L3 Inhibitor
CAS No.	30675-13-9
Chemical Formula	C ₉ H ₂ Cl ₄ O ₂
Molecular Weight	283.91
Solubility	DMSO: 100 mg/mL (296.45 mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	TCID (4,5,6,7-Tetrachloroindan-1,3-dione) is a potent and selective neuronal ubiquitin C-terminal hydrolase (UCH-L3) inhibitor with an IC ₅₀ of 0.6 μM. TCID diminishes glycine transporter GlyT2 ubiquitination in brainstem and spinal cord primary neurons.
Targets&IC ₅₀	UCH-L3:0.6 μM

In vitro	TCID (4,5,6,7-Tetrachloroindan-1,3-dione; compound 11) inhibits UCH-L1 with an IC50 of 75 μ M. TCID (10 μ M; 1, 2 hours) diminishes glycine transporter GlyT2 ubiquitination in brainstem and spinal cord primary neurons.
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Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

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