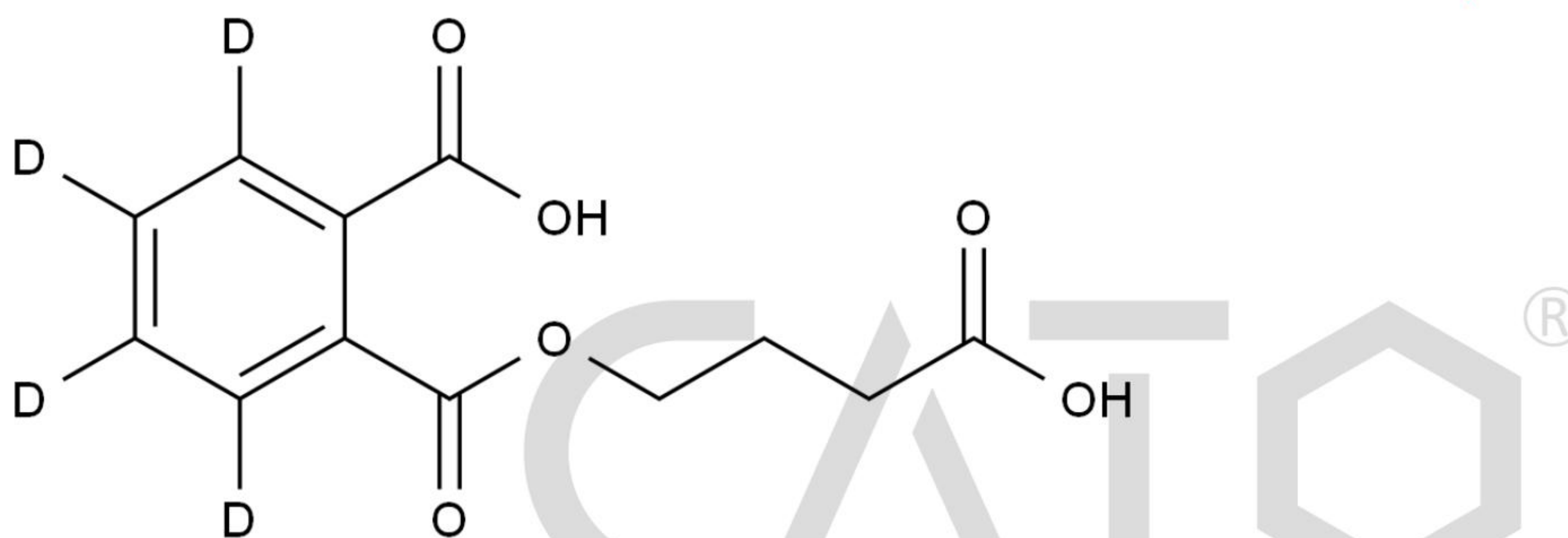


Certificate of Analysis

Reference Material & Standard

Product Name:	Mono(3-carboxypropyl) Phthalate-d4	Catalogue Number:	CPAE111811
Synonyms:	N/A	Lot Number:	0708-RC-0018
CAS Number:	1346600-69-8	Expiry Date:	Jun 08, 2025
Molecular Formula:	C12H8D4O6	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	256.24	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	NMR	98.0%
Isotopic Purity		98.8%
Uncertainty		±2.0%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Hin Lam

Reviewed by:

Debia

Approved by General Manager:

David

Date: Jun 10, 2021

Date: Jul 09, 2021

Date: Jul 09, 2021

