

Product Profile

Identification

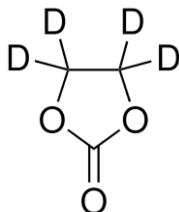
Product Name: Ethylene carbonate-d₄

Synonym(s): 1,3-Dioxolan-2-one-d₄, Deuterated ethylene carbonate

Sample # D4EC

Product Lot Number: P70167-d4EC

Product Chemical Architecture:

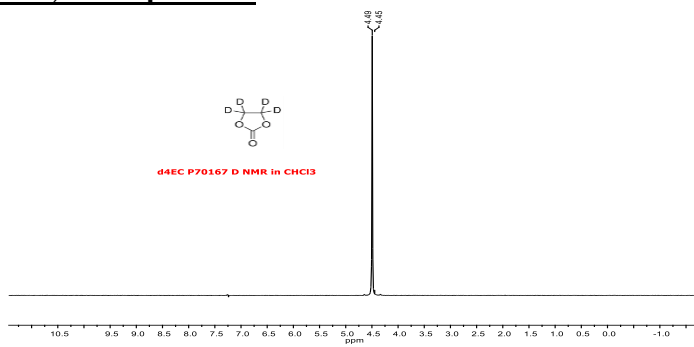


Composition:

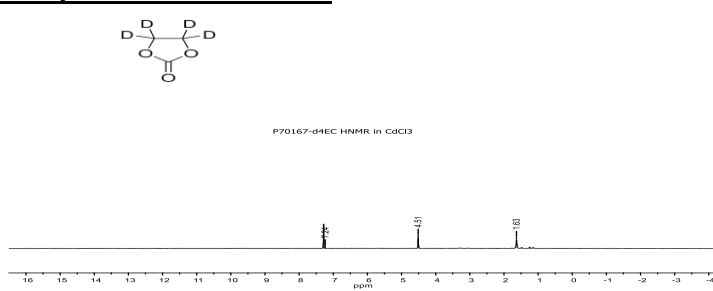
| CAS# | Purity by GC-FID | Purity by HNMR | Appearance @ ambient temperature | Empirical Formula | m.p °C | Mol. Weight |
|-------------|------------------|----------------|----------------------------------|--|--------|-------------|
| 362049-63-6 | + 98% | +98% | White crystal powder | C ₃ D ₄ O ₃ | 34.5 | 92 |

Validation of Architecture:

A. NMR (¹D NMR) of the product:



B. HNMR of the product run in CdCl₃



Thermal analysis of the product

Sample: Ethylene carbonate-d₄_P70167A

