



The Power to Question

CERTIFICATE OF ANALYSIS

Catalog Number: sc-220274
Lot Number: SAMPLE
Product Name: Topotecan-d6 Carboxylic Acid Sodium Salt
CAS Number: 1263470-27-4
Molecular Formula: $C_{23}H_{18}D_6N_3NaO_6$
Molecular Weight: 467.48
Native Source: Synthetic

Test	Result
Appearance	Dark Yellow to Orange Solid
Identification (1H-NMR)	Complies
Identification (Mass Spectrometry)	Complies
Isotopic Purity	98.3%
Purity (TLC)	97%
Atmosphere	Inert Gas
Elemental Analysis	(Found) %C: 55.94, %H: 5.45, %N: 8.24; (Calculated) %C: 59.09, %H: 5.18, %N: 8.99
Melting Point	>118°C (dec.)
Solubility	DMSO (Slightly), Water (Slightly)
Specific Rotation	-5.6° (c = 0.3, Water)
Sodium Content	4.64% by Ion Chromatography
Water Content	5.5% based on Elemental Analysis

Satisfaction Guarantee: We appreciate your business and are committed to providing the highest level of quality and service. Any product that does not meet the performance standards indicated in our product literature will be replaced at no charge. Our policy is valid for one year from the date of your purchase.

Santa Cruz Biotechnology, Inc. 800.457.3801 831.457.3800 fax 831.457.3801 Europe +00800 4573 8000 49 62221 4503 0 www.scbt.com