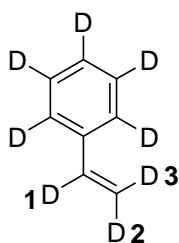


Sample Name: **Styrene-d8**

Lot#: **P60267-Sd8**

Structure:

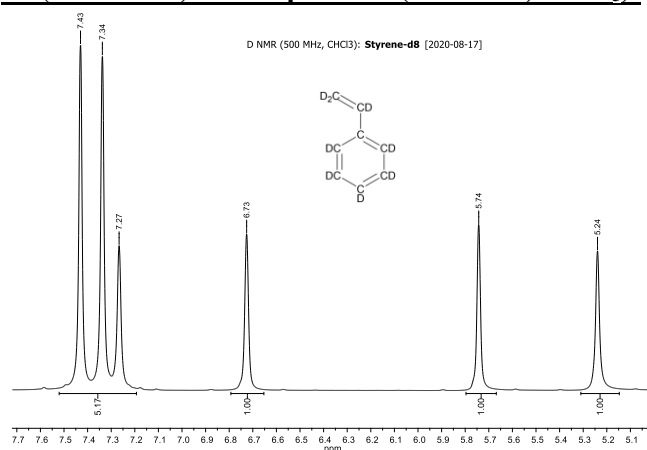


d8-Styrene

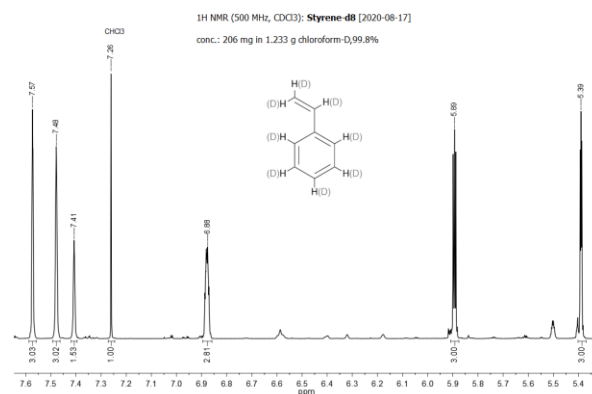
Characterization:

CAS #	19361-62-7
Chemical Purity	+> 98.5%
D-atom purity (or isotopic purity)	> 96%
Benzene ring	98+D %
mol wt	112.04 (by atom % calculation)
Stabilizer	BHT
Refractive index	n ₂₀ /D 1.5445(lit.)
B.P.	145-146°C
M.P.	-31°C

²H (deuterium) NMR spectrum (500 MHz, CHCl₃):



¹H (proton) NMR spectrum (500 MHz, CDCl₃):



H- NMR of the product: calculated from the CDCl₃ purity 99.9 D atom % " D% enrichment : over 99%

Styrene -d ₈ batch #	Integration vs. Reference (CDCl ₃ , D:99.8%)					
	aromatic protons	vinyl protons				
Sd8-mix 1	3.0 : 3.0 : 1.5	2.8 : 3.0 : 3.0	d0 = 1.6 7 %	d5 = 1.4 4 %	d6 = 0.2 2 %	d8 = 96.67 % (complete deuteration)

FTIR of the product:

