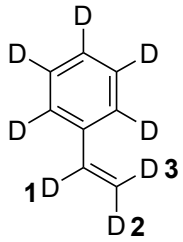
Sample Name: **Styrene-d8**
Sample#: **d8S**
Lot#: **P45294-d8S**

Structure:

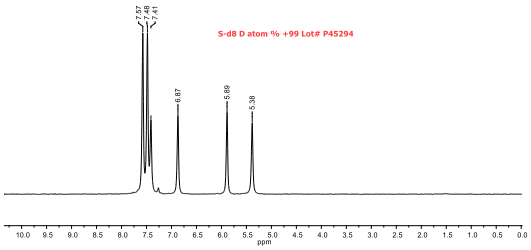


d8-Styrene

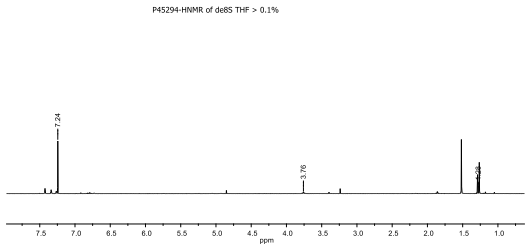
Characterization:

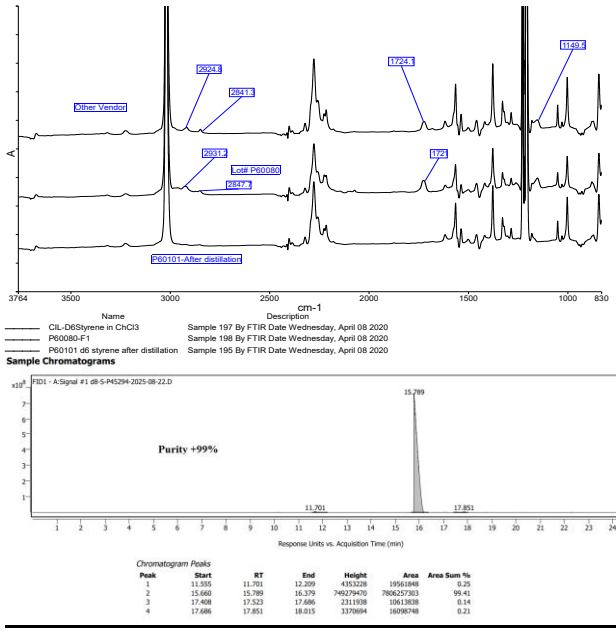
CAS #	19361-62-7
Chemical Purity	+> 98% (99%)
D-atom purity (or isotopic purity)	+> 98% (99%)
Benzene ring	99+D %
mol wt	112.04 (by atom % calculation)
Stabilizer	tert. Butyl Catechol
Refractive index	n20/D 1.5445(lit.)
B.P.	145-146°C
M.P.	–31°C

^{2}H (deuterium) NMR spectrum (500 MHz, $CHCl_3$):



^{1}H (proton) NMR spectrum (500 MHz, $CDCl_3$):



H- NMR of the product: calculated from the CDCl3 purity +98 D atom % " D% enrichment- over +99%

FTIR of the product: