



>>Entry Name: Dibutylbis[(1-oxododecyl)oxy]stannane, 9CI

Synonym(s): Dibutylbis(dodecanoyloxy)stannane. Dibutyltin dilaurate

CAS Registry Number: 77-58-7

$[\text{H}_3\text{C}(\text{CH}_2)_{10}\text{COO}]_2\text{Sn}(\text{CH}_2\text{CH}_2\text{CH}_2\text{CH}_3)_2$

Molecular Formula: $\text{C}_{32}\text{H}_{64}\text{O}_4\text{Sn}$

Molecular Weight: 631.565

Accurate Mass: 630.38266

Percentage Composition: C 60.86%; H 10.21%; O 10.13%; Sn 18.80%

Source/Synthesis: Synth. from Bu_2SnO + dodecanoic acid, or from Bu_2SnCl_2 + Na dodecanoate

Use/Importance: Polym. and cross-linking catalyst; stabiliser for vinyl polymers

Melting Point: Mp 22-24°

References:

Sheverdina, N.I. *et al.*, *Khim. Promst. (Moscow)*, 1962, 707-708; *CA*, **59**, 8776f, (*synth*)

Fr. Pat., 1969, 1 580 291; *CA*, **73**, 4032g, (*synth*)