



>>Entry Name: **Bis(*N,N*-ethylphenyldithiocarbamato)zinc(II)**

Synonym(s): Bis(ethylphenylcarbamodithioato-*S,S'*)zinc, 9CI. Zinc(II) ethylphenyldithiocarbamate

CAS Registry Number: 14634-93-6

$\text{Zn}(\text{S}_2\text{CNPhEt})_2$

Molecular Formula: $\text{C}_{18}\text{H}_{20}\text{N}_2\text{S}_4\text{Zn}$

Molecular Weight: 458.023

Accurate Mass: 455.980073

Percentage Composition: C 47.20%; H 4.40%; N 6.12%; S 28.00%; Zn 14.28%

Source/Synthesis: Synth. from $\text{ZnO} + \text{CS}_2 + \text{PhNHEt}$ at 42° for 20h

Use/Importance: Vulcanisation accelerator in rubber

Physical Description: Solid

Other Data: Mp >205°

References:

Protivová, J. *et al.*, *J. Chromatogr.*, 1974, **92**, 361-370, (*chromatog*)

Ger. Pat., 1986, 3 610 727; *CA*, 1987, **106**, 49800g, (*synth*)

Kaniwa, M., *J. Chromatogr.*, 1987, **405**, 263-271, (*hplc*)