



>>Entry Name: Zinc trifluoromethanesulfonate

Synonym(s): Bis(trifluoromethanesulfonato)zinc. Zinc triflate

CAS Registry Number: 54010-75-2

$\text{Zn}(\text{OSO}_2\text{CF}_3)_2$

Molecular Formula: $\text{C}_2\text{F}_6\text{O}_6\text{S}_2\text{Zn}$

Molecular Weight: 363.531

Accurate Mass: 361.833193

Percentage Composition: C 6.61%; F 31.36%; O 26.41%; S 17.64%; Zn 17.99%

Use/Importance: Catalyst for dimerisation of acrylonitrile; for ethoxylation of butanol by ethylene oxide and for cationic polym.

Physical Description: Solid + $2\text{H}_2\text{O}$ (H_2O)

Solubility: Sol. MeOH, EtOH, MeCN, DMF, formamide

Other Data: The dihydrate is dehydrated at 120° at 0.2 mm. Stable up to 60°

Aldrich: 29006-8

Fluka: 96517

References:

Hedwig, G.R. *et al.*, *J.A.C.S.*, 1974, **96**, 6589, (*synth*)

Takei, T., *Surf. Coat. Technol.*, 1985, **25**, 369, (*synth*)

Sperker, S. *et al.*, *J. Solution Chem.*, 1988, **17**, 35, (*electrochem*)

Takei, T., *Surf. Coat. Technol.*, 1988, **35**, 57, (*props*)