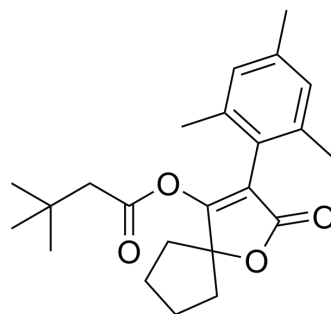


## Spiromesifen

Cat. No.:	HY-114591
CAS No.:	283594-90-1
Molecular Formula:	C <sub>23</sub> H <sub>30</sub> O <sub>4</sub>
Molecular Weight:	370.48
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 125 mg/mL (337.40 mM; ultrasonic and warming and heat to 60°C)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.6992 mL	13.4960 mL	26.9920 mL
	5 mM	0.5398 mL	2.6992 mL	5.3984 mL
	10 mM	0.2699 mL	1.3496 mL	2.6992 mL

Please refer to the solubility information to select the appropriate solvent.

### BIOLOGICAL ACTIVITY

#### Description

Spiromesifen (BSN 2060) is a broad-spectrum tetrachloro acid derivative acaricide. Spiromesifen can interfere with lipid biosynthesis, and has no cross-resistance to any resistant mite or whitefly populations<sup>[1]</sup>.

### REFERENCES

[1]. Bretschneider T, et al. Spirodiclofen and spiromesifen—novel acaricidal and insecticidal tetrone acid derivatives with a new mode of action [J]. *Chimia*, 2003, 57(11):697-697.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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