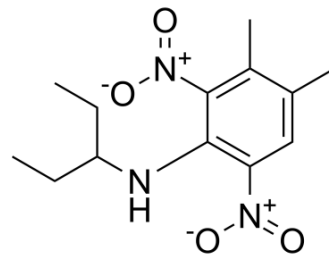


Pendimethalin

Cat. No.:	HY-B0862
CAS No.:	40487-42-1
Molecular Formula:	C ₁₃ H ₁₉ N ₃ O ₄
Molecular Weight:	281.31
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (355.48 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.5548 mL	17.7740 mL	35.5480 mL
	5 mM	0.7110 mL	3.5548 mL	7.1096 mL
	10 mM	0.3555 mL	1.7774 mL	3.5548 mL

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

BIOLOGICAL ACTIVITY

Description

Pendimethalin is an herbicide that controls annual grasses and certain broadleaf weeds. Pendimethalin inhibits cell division and cell elongation^[1].

REFERENCES

[1]. Martin Kočárek, et al. Effect of adjuvant on pendimethalin and dimethenamid-P behaviour in soil. J Hazard Mater. 2018 Jul 15;354:266-274.

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

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