

Benzonitrile, 4-[[5-cyclopropyl-3-methyl-1-[(methylsulfonyl)methyl]-1H-pyrazol-4-yl]oxy]-2,6-dimethyl-

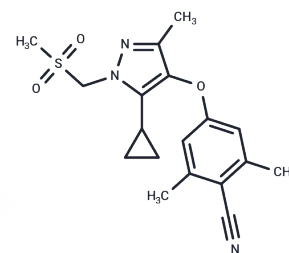
Chemical Properties

CAS No. : 936345-34-5

Formula: C₁₈H₂₁N₃O₃S

Molecular Weight: 359.44

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	Benzonitrile, 4-[[5-cyclopropyl-3-methyl-1-[(methylsulfonyl)methyl]-1H-pyrazol-4-yl]oxy]-2,6-dimethyl- is a progesterone receptor antagonist with antiprogestin effects.
Targets(IC50)	Progesterone Receptor

Solubility Information

Solubility DMSO: 10 mg/mL (27.82 mM), Sonication is recommended.
(< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7821 mL	13.9105 mL	27.8211 mL
5 mM	0.5564 mL	2.7821 mL	5.5642 mL
10 mM	0.2782 mL	1.3911 mL	2.7821 mL
50 mM	0.0556 mL	0.2782 mL	0.5564 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Paul Anthony Bradley, et al. Preparation of pyrazole derivatives as progesterone receptor antagonists.
US20070105909A1

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