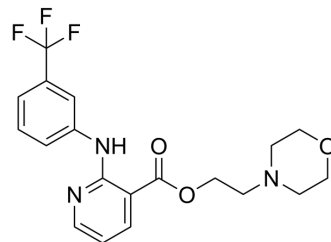


Morniflumate

Cat. No.:	HY-17488
CAS No.:	65847-85-0
Molecular Formula:	C ₁₉ H ₂₀ F ₃ N ₃ O ₃
Molecular Weight:	395.38
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 (316.15 mM; Need ultrasonic)

Solvent Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	2.5292 mL	12.6461 mL	25.2921 mL	
5 mM	0.5058 mL	2.5292 mL	5.0584 mL	
10 mM	0.2529 mL	1.2646 mL	2.5292 mL	

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (5.26 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: 2.08 mg/mL (5.26 mM); Suspended solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (5.26 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Morniflumate (UP 164) is an orally active nonsteroidal anti-inflammatory agent. Morniflumate can be used in the study of inflammatory diseases such as osteoarthritis, painful musculoskeletal disorders and soft tissue inflammation.

REFERENCES

- [1]. Cremonesi G, et al. Efficacy and safety of morniflumate for the treatment of symptoms associated with soft tissue inflammation. J Int Med Res. 2015 Jun;43(3):290-302.