2-Acetamidofluorene

Cat. No.: HY-W013514

CAS No.: 53-96-3

Molecular Formula: $C_{15}H_{13}NO$

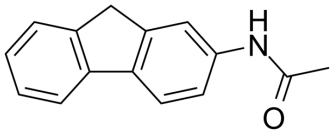
Molecular Weight: 223.27

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 (559.86 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	4.4789 mL	22.3944 mL	44.7888 mL
	5 mM	0.8958 mL	4.4789 mL	8.9578 mL
	10 mM	0.4479 mL	2.2394 mL	4.4789 mL

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

BIOLOGICAL ACTIVITY

Description

2-Acetamidofluorene is a potent carcinogenan. 2-Acetamidofluorene is can be used fot induction of hepatocellular carcinoma (HCC) and multiple primary tumours[1][2].

In Vivo

2-Acetamidofluorene-induced HCC rat liver tissues has hepatic cell degeneration, oval cell proliferation, and inflammatory cell infiltration[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Tan B, et al. Anti-hepatoma effect of arsenic trioxide on experimental liver cancer induced by 2-acetamidofluorene in rats. World J Gastroenterol. 2005 Oct 14;11(38):5938-43.

[2]. CAMPBELL JG. Induction of multiple primary tumours in fowls with 2-acetamidofluorene. Br J Cancer. 1955 Mar;9(1):163-9.

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

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