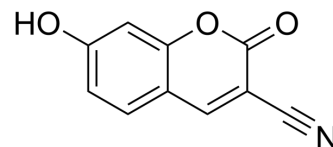


3-Cyanoumbelliferone

Cat. No.:	HY-D0039
CAS No.:	19088-73-4
Molecular Formula:	C ₁₀ H ₅ NO ₃
Molecular Weight:	187.15
Target:	Fluorescent Dye
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



BIOLOGICAL ACTIVITY

Description	3-Cyanoumbelliferone is a coumarin derivative, acting as molecular probe and fluorescent dye. 3-Cyanoumbelliferone is also a macrophage migration inhibitory factor (MIF) tautomerase inhibitor with a K _i of 2.9 μM ^[1] .
IC ₅₀ & Target	K _i : 2.9 μM (MIF) ^[1]

REFERENCES

[1]. Orita M, et al. Coumarin and chromen-4-one analogues as tautomerase inhibitors of macrophage migration inhibitory factor: discovery and X-ray crystallography. J Med Chem. 2001 Feb 15;44(4):540-7.

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

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