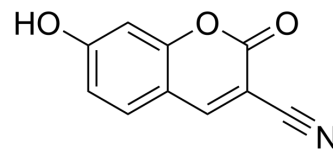


## 3-Cyanoumbelliferone

Cat. No.:	HY-D0039
CAS No.:	19088-73-4
Molecular Formula:	C <sub>10</sub> H <sub>5</sub> NO <sub>3</sub>
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 <sub>i</sub> of 2.9 μM <sup>[1]</sup> .
IC <sub>50</sub> & Target	K <sub>i</sub> : 2.9 μM (MIF) <sup>[1]</sup>

### 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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