

Product Name:	UCN-02
Product Number:	U006
CAS Number:	121569-61-7
Molecular Formula:	C ₂₈ H ₂₆ N ₄ O ₄
Molecular Weight:	482.5
Appearance:	White film
Storage Conditions:	-20°C
Description:	<p>UCN-02 is an indolocarbazole isolated from a high staurosporine-producing <i>Streptomyces</i> culture as a minor co-metabolite. Although less selective than its isomer UCN-01, UCN-02 exhibits comparable activity and probably acts by similar mechanisms.</p> <p>UCN-02 is soluble in ethanol, methanol, DMF and DMSO.</p>
References:	<p>UCN-01-induced cell cycle arrest requires the transcriptional induction of p21waf1/cip1 by activation of mitogen-activated protein/extracellular signal-regulated kinase/extracellular signal-regulated kinase pathway. Facchinetti M. M. et al. Cancer Res. 2004, 64, 3629.</p> <p>UCN-01 (7-hydroxystaurosporine) and other indolocarbazole compounds: a new generation of anti-cancer agents for the new century? Akinaga S. et al. Anticancer Drug Des. 2000, 15, 43.</p> <p>UCN-01 and UCN-02, new selective inhibitors of protein kinase C. II. Purification, physico-chemical properties, structural determination and biological activities. Takahashi I. et al. J. Antibiot. 1989, 42, 571.</p>