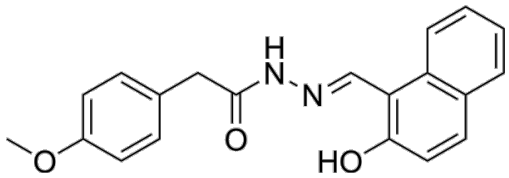
Product Data Sheet

Product Name: XS-060
Cat. No.: GC73215

Chemical Properties

Cas. No.	346721-50-4		
Formula	$C_{20}H_{18}N_2O_3$	M.Wt	334.37
Solubility	DMSO : 175 mg/mL (523.37 mM; Need ultrasonic)	Storage	-20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20°C for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			



Background

XS-060 is a potent anticancer agent and RXRα antagonist. XS-060 significantly induces RXRα-

dependent mitotic arrest by inhibiting pRXRα-PLK1 interaction. XS-060 inhibits p-RXRα interaction with PLK1 but has no effect on RXRα heterodimerization with RARγ. XS-060 inhibits the in situ interaction between p-RXRα and PLK1 at the centrosome.

XS-060 targeting the RXRα′ s coactivator binding site can inhibit pRXRα-PLK1 interaction and exhibits good antitumor activity as an anti-mitotic agent[1].XS-060 shows anti-proliferative activity against MDA-MB 231 cancer cells, with an IC50 of 6.880 ± 0.059 μM[1].

XS-060 (25 mg/kg, IP or PO, once) displays good absorption by intraperitoneal injection, but oral absorption is very poor[1].

References:
[1]. Chen J, et al. Discovery of bipyridine amide derivatives targeting pRXRα-PLK1 interaction for anticancer therapy. Eur J Med Chem. 2023 Apr 6;254:115341.
[2]. Xie G, et al. Centrosomal Localization of RXRα Promotes PLK1 Activation and Mitotic Progression and Constitutes a Tumor Vulnerability. Dev Cell. 2020 Dec 21;55(6):707-722.e9.