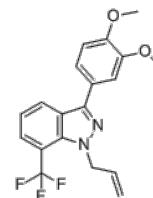


Product Name : SGA360
Cat. No. : PC-38513
CAS No. : 680611-86-3
Molecular Formula : C₁₉H₁₇F₃N₂O₂
Molecular Weight : 362.352
Target : Aryl hydrocarbon Receptor (AhR)
Solubility : 10 mM in DMSO



Biological Activity

SGA360 is a high-affinity, selective modulator of **aryl hydrocarbon receptor** (AhR), competitively binds to AhR (IC₅₀ = 3 uM) and represses serum amyloid A 1 (**SAA1**) gene expression induced by IL-1β in Huh7 cells. SGA360 reduces inflammation and decreases the mRNA expression of the inflammatory mediators COX-2, IL-6, IL-1β, SAA3, and IL-10 in wild-type, but not AhR knockout, mice in a model of inflammatory ear edema. SGA360 also reduces acute inflammation in murine models of septic shock, gout, and peritonitis.

References

Smith KJ, et al. *J Pharmacol Exp Ther.* 2011 Jul;338(1):318-27.
van den Bogaard EH, et al. *J Invest Dermatol.* 2015 May;135(5):1320-1328.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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