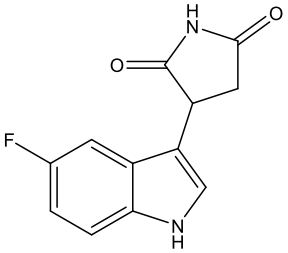
Catalog # 10-4498

PF-06840003

CAS# 198474-**05-4**

3-(5-Fluoro-1H-indol-3-yl)pyrrolidine-2,5-dione; EOS200271

Lot # FBS1121



PF-06840003 is potent (IC_{50} = 150 and 410 nM via two methods) and selective inhibitor of Indoleamine-2,3-dioxygenase (IDO1).[1] In mice with syngeneic tumor grafts, it reduced intratumoral kynurenine levels by over 80%, inhibited tumor growth as monotherapy, and increased the efficacy of anti-PD-L1 therapy.[2] PF-06840003 treatment combined with GM-CSF-secreting allogenic pancreatic tumor cell vaccine (GVAX) resulted in increased antitumor efficacy in a murine model of pancreatic ductal adenocarcinoma.[3]

1) Crosignani *et al.* (2017*), Discovery of a Novel and Selective Indoleamine-2,3-Dioxygenase (IDO-1) Inhibitor 3-(5-Fluoro-1H-indol-3-yl)pyrrolidine-2,5-dione (EOS200271/PF-06840003) and Its Characterization as a Potential Clinical Candidate;* J.Med.Chem. **60** 9617
2) Gomes *et al.* (2018)*, Characterization of the Selective Indoleamine-2,3-Dioxygenase-1 (IDO1) Catalytic Inhibitor EOS200271/PF-06840003 Supports IDO1 as a Critical Resistance Mechanism to PD-(L)1 Blockade Therapy;* Mol.CancerTher. **9** 2530
3) Blair *et al.* (2019), *IDO1 inhibition potentiates vaccine-induced immunity against pancreatic adenocarcinoma;* J.Clin.Invest. 124077

PHYSICAL DATA

Molecular Weight:	232.21
Molecular Formula:	$C_{12}H_9FN_2O_2$
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (>25 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at -20ºC for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

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