

## The Chalcone Lonchocarpin Inhibits Wnt/ $\beta$ -Catenin Signaling and Suppresses Colorectal Cancer Proliferation

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Table S1. Ki67 positive cells means of each treatment group.

Vehicle 50	Vehicle 100	Lonchocarpin 50 mg·kg <sup>-1</sup> ·day <sup>-1</sup>	Lonchocarpin 100 mg·kg <sup>-1</sup> ·day <sup>-1</sup>
48.38% <sup>1</sup>	41.03% <sup>1</sup>	40.86% <sup>1</sup>	30.20% <sup>1</sup>
33.57% <sup>1</sup>	33.30% <sup>1</sup>	15.05% <sup>1</sup>	29.16% <sup>1</sup>
44.50% <sup>1</sup>	47.43% <sup>1</sup>	43.22% <sup>1</sup>	31.82% <sup>1</sup>
			23.28% <sup>1</sup>
Mean = 42.15%	Mean = 40.59%	Mean = 33.04%	Mean = 28.62%

<sup>1</sup> The number represents the mean average percentage of Ki67 positive cells of each tested mouse.

Table S2. BrdU positive cell means of each treatment group.

Vehicle 50	Vehicle 100	Lonchocarpin 50 mg·kg <sup>-1</sup> ·day <sup>-1</sup>	Lonchocarpin 100 mg·kg <sup>-1</sup> ·day <sup>-1</sup>
29.96% <sup>1</sup>	24.56% <sup>1</sup>	23.47% <sup>1</sup>	11.85% <sup>1</sup>
15.43% <sup>1</sup>	22.01% <sup>1</sup>	6.30% <sup>1</sup>	16.48% <sup>1</sup>
21.53% <sup>1</sup>	19.73% <sup>1</sup>	17.91% <sup>1</sup>	14.14% <sup>1</sup>
			11.98% <sup>1</sup>
Mean = 22.31%	Mean = 22.10%	Mean = 15.89%	Mean = 13.61%

<sup>1</sup> The number represents the mean average percentage of BrdU positive cells of each tested mouse.

**A Maternal injection**

	Normal	Reduced anterior structures	n
Uninjected	100 %	0 %	25
DMSO	100 %	0 %	15
lonchocarpin	77 %	23 %	26

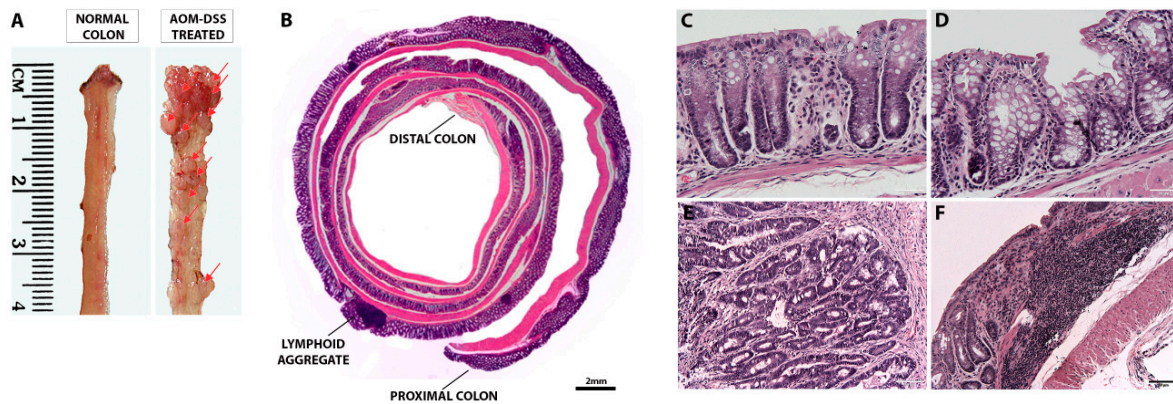
**B Zygotic injection**

	Normal	Enlarged anterior structures	n
Uninjected	100 %	0 %	18
DMSO	100 %	0 %	10
lonchocarpin	52 %	48 %	29

**C Double axis assay**

	Normal	Double axis	n
Uninjected	100 %	0 %	32
xWnt8	12 %	88 %	25
xWnt8+DMSO	15 %	85 %	47
xWnt8+lonchocarpin	32 %	68 %	34

**Figure S1.** *Xenopus laevis* embryo assays quantification. (A) Quantification of the maternal injection experiment (Figure 3A–D). (B) Quantification of the zygotic injection experiment (Figure 3E–H). (C) Quantification of the double axis assay (Figure 3I–M,P).



**Figure S2.** AOM-DSS tumor induction protocol. (A,B) Colon macroscopic features of the animals. (B) Overview of a swiss-rolled normal colon. The most distal portion of the colon is located in the innermost segment of the roller. Scale bar represents 2mm (C–F) Histopathology of the colon in different sections stained by H&E. (C) Normal colon epithelium; (D) Aberrant crypt foci; (E) Adenoma; (F) Leukocyte infiltrate. (C–F) Magnification: 20x. Scale bar represents 50  $\mu$ m.

