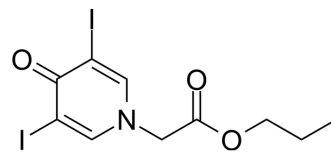


## Propyliodone

Cat. No.:	HY-107925
CAS No.:	587-61-1
Molecular Formula:	C <sub>10</sub> H <sub>11</sub> I <sub>2</sub> NO <sub>3</sub>
Molecular Weight:	447.01
Target:	Biochemical Assay Reagents
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	Propyliodone is a compound used as a contrast medium in bronchography <sup>[1][2]</sup> .	
In Vivo	Propyliodone (crico-thyroid membrane injection; 1 mL, in diiodone (50% w/v); once) induces lung irritation in vivo <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.	
	Animal Model:	Rabbits with sodium pentobarbitone and chloralose injection <sup>[1]</sup>
	Dosage:	1 mL, in diiodone (50% w/v)
	Administration:	Crico-thyroid membrane injection; 1 mL, in diiodone (50% w/v); once
	Result:	Showed macroscopic signs of lung irritation at 16 hours, reached a maximum at three days and appeared normal after two weeks. Caused a few scattered foci of round cell infiltration in the interstitial tissue adjoining the small bronchi of the rabbits.

### REFERENCES

[1]. TOMICH EG, et al. The properties of n-propyl 3:5-di-iodo-4-pyridone-N-acetate (propyliodone). Br J Pharmacol Chemother. 1953 Jun;8(2):166-70.

[2]. PFEIFER W, SEIDEL K. Experiences with propyliodone bronchography. Med Klin. 1958 Feb 21;53(8):293-5. English, German.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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