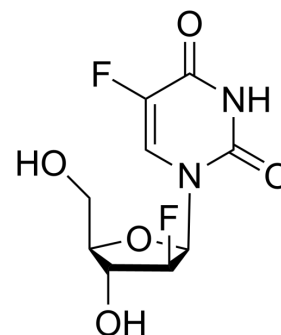


## 2',5-Difluoro-2'-deoxy-1-arabinosyluracil

Cat. No.:	HY-W377455
CAS No.:	69123-95-1
Molecular Formula:	C <sub>10</sub> H <sub>14</sub> F <sub>2</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	280.23
Target:	Nucleoside Antimetabolite/Analog
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

5-Fluoro-1-((2R,3S,4R,5R)-3-fluoro-4-hydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)pyrimidine-2,4(1H,3H)-dione (2',5-difluoro-2'-deoxy-1-arabinosyluracil) is a uridine analogue. Uridine has potential antiepileptic effects, and its analogs can be used to study anticonvulsant and anxiolytic activities, as well as to develop new antihypertensive agents<sup>[1]</sup>.

### REFERENCES

[1]. Connolly GP, et al. Uridine and its nucleotides: biological actions, therapeutic potentials. Trends Pharmacol Sci. 1999 May;20(5):218-25.

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

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