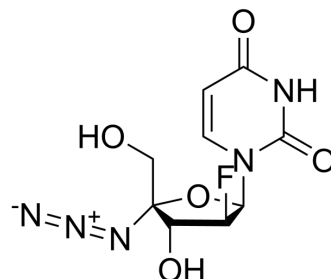


## 4'-Azido-2'-deoxy-2'-fluoro-beta-D-arabinouridine

Cat. No.:	HY-152782
CAS No.:	173379-73-2
Molecular Formula:	C <sub>9</sub> H <sub>10</sub> FN <sub>5</sub> O <sub>5</sub>
Molecular Weight:	287.2
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

4'-Azido-2'-deoxy-2'-fluoro-beta-D-arabinouridine 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>. 4'-Azido-2'-deoxy-2'-fluoro-beta-D-arabinouridine is a click chemistry reagent, it contains an Azide group and can undergo copper-catalyzed azide-alkyne cycloaddition reaction (CuAAC) with molecules containing Alkyne groups. Strain-promoted alkyne-azide cycloaddition (SPAAC) can also occur with molecules containing DBCO or BCN groups.

### 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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