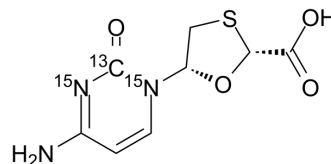


## Lamivudine-<sup>13</sup>C,<sup>15</sup>N<sub>2</sub>

Cat. No.:	HY-135330
CAS No.:	1391052-30-4
Molecular Formula:	C <sub>7</sub> <sup>13</sup> CH <sub>9</sub> N <sup>15</sup> N <sub>2</sub> O <sub>4</sub> S
Molecular Weight:	246.22
Target:	HIV; Reverse Transcriptase
Pathway:	Anti-infection
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Lamivudine-<sup>13</sup>C,<sup>15</sup>N<sub>2</sub> is a labelled impurity of Lamivudine (BCH-189). Lamivudine is a nucleoside reverse transcriptase inhibitors (NRTIs), and can inhibit HIV reverse transcriptase 1/2 and the reverse transcriptase of hepatitis B virus<sup>[1][2]</sup>.

### REFERENCES

- [1]. Li, Y.C., [A clinical study on lamivudine treatment for advanced schistosomiasis with chronic B hepatitis]. Zhongguo Xue Xi Chong Bing Fang Zhi Za Zhi, 2013. 25(5): p. 548-9, 551.
- [2]. Zhang, C.E., et al., [Effects of lamivudine on growth of intestinal characteristic bacteria by microcalorimetry in vitro]. Yao Xue Xue Bao, 2013. 48(10): p. 1590-4.

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

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