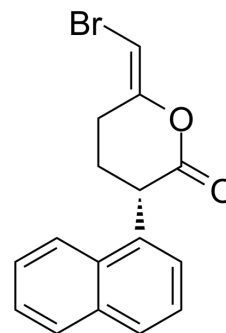


## (S)-Bromo-enol lactone

Cat. No.:	HY-120986
CAS No.:	478288-94-7
Molecular Formula:	C <sub>16</sub> H <sub>13</sub> BrO <sub>2</sub>
Molecular Weight:	317.18
Target:	Phospholipase
Pathway:	Metabolic Enzyme/Protease
Storage:	Solution, -20°C, 2 years



### BIOLOGICAL ACTIVITY

Description	(S)-Bromo-enol lactone ((S)-BEL) is an irreversible, chiral, mechanism-based inhibitor of calcium-independent phospholipase A <sub>2</sub> β (iPLA <sub>2</sub> β) that inhibits the vasopressin-induced release of arachidonate from cultured rat aortic smooth muscle (A10) cells with an IC <sub>50</sub> of 2 μM <sup>[1]</sup> .
IC <sub>50</sub> & Target	PLA2

### REFERENCES

[1]. Jenkins CM, et al. Identification of calcium-independent phospholipase A<sub>2</sub> (iPLA<sub>2</sub>) beta, and not iPLA<sub>2</sub>gamma, as the mediator of arginine vasopressin-induced arachidonic acid release in A-10 smooth muscle cells. Enantioselective mechanism-based discriminati

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

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