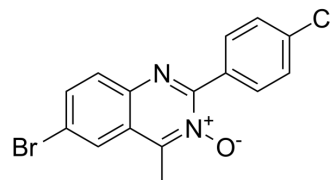


## COX-1/2-IN-1

Cat. No.:	HY-115966
CAS No.:	2358849-47-3
Molecular Formula:	C <sub>15</sub> H <sub>10</sub> BrClN <sub>2</sub> O
Molecular Weight:	349.61
Target:	COX
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

<b>Description</b>	COX-1/2-IN-2 is a potent COX1/2 inhibitor. COX-1/2-IN-2 exhibits significant inhibitory effect against COX-1 and COX-2 inhibitor with IC <sub>50</sub> values of 13.9 ± 3.21 μM and 6.4 ± 0.74 μM, respectively <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	COX-1 9.7 ± 0.09 μM (IC <sub>50</sub> )	COX-2 4.6 ± 1.45 μM (IC <sub>50</sub> )

## REFERENCES

[1]. Malose J. Mphahlele, et al. Synthesis, in vitro and in silico enzyme (COX-1/2 & LOX-5), free radical scavenging and cytotoxicity profiling of the 2,4-dicarbo substituted quinazolinone 3-oxides. Medicinal Chemistry Research volume 31, pages146–164 (2022)

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

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