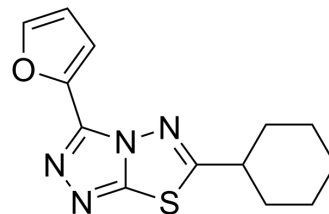


Cardionogen 1

| | |
|--------------------|---|
| Cat. No.: | HY-W011616 |
| CAS No.: | 577696-37-8 |
| Molecular Formula: | C ₁₃ H ₁₄ N ₄ OS |
| Molecular Weight: | 274.34 |
| Target: | Wnt |
| Pathway: | Stem Cell/Wnt |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

Cardionogen 1 (CDNG1/vuc230) is a Wnt signaling pathway inhibitor that slows down Myc-induced liver tumorigenesis. Cardionogen 1 treatment of zebrafish embryos before gastrulation inhibits cardiomyocyte formation, whereas treatment during or after gastrulation induces cardiomyocyte formation. Cardionogen 1 has potential in research into cancer and cardiovascular disease^{[1][2]}.

REFERENCES

[1]. Yan C, et al. Chemical inhibition reveals differential requirements of signaling pathways in krasV12- and Myc-induced liver tumors in transgenic zebrafish. *Sci Rep.* 2017 Apr 5;7:45796.

[2]. Plowright AT, et al. Heart regeneration: opportunities and challenges for drug discovery with novel chemical and therapeutic methods or agents. *Angew Chem Int Ed Engl.* 2014 Apr 14;53(16):4056-75.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA