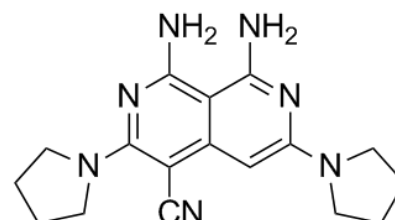


**Product Name** : SID-3712249  
**Cat. No.** : PC-45691  
**CAS No.** : 522606-67-3  
**Molecular Formula** : C<sub>17</sub>H<sub>21</sub>N<sub>7</sub>  
**Molecular Weight** : 323.3955  
**Target** : MicroRNA  
**Solubility** : DMSO: ≥ 30 mg/mL



### Biological Activity

SID 3712249 is a small molecule inhibitor of the biogenesis of microRNA-544 (miR-544); causes apoptosis in triple negative breast cancer cell; bind directly to the precursor miRNA, blocking production of the mature microRNA and resulting in decreased miR-544, HIF-1 $\alpha$  and ATM transcripts.

### References

Zhi Q, et al. Anticancer Agents Med Chem. 2013 Feb;13(2):270-5.

**Caution: Product has not been fully validated for medical applications. Lab Use Only!**

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