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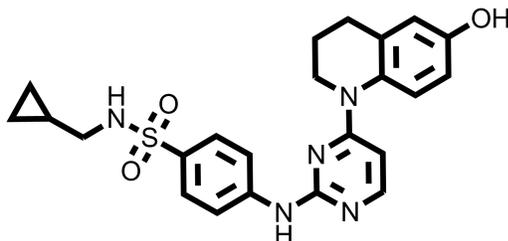
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## Cell Survival Enhancer Pyrintegrin

**Chemical Name:** N-(cyclopropylmethyl)-4-((4-(6-hydroxy-3,4-dihydroquinolin-1(2H)-yl)pyrimidin-2-yl)amino)benzenesulfonamide



Molecular Weight:	451.54
Formula:	C <sub>23</sub> H <sub>25</sub> N <sub>5</sub> O <sub>3</sub> S
Purity:	≥98%
CAS#:	1228445-38-2
Solubility:	DMSO up to 100 mM
Storage	Powder: 4°C 1 year DMSO: 4°C 3 month -20°C 1 year

### Biological Activity:

Pyrintegrin is a cell-permeable small molecule that promotes human embryonic stem cell (hESC) survival by > 30-fold. Pyrintegrin can enhance cell-ECM adhesion-mediated integrin signaling. It can also stabilize the cell surface protein E-cadherin after cell dissociation.

### How to Use:

**In vitro:** Pyrintegrin was used at 3-5 μM concentration in cell culture.

**In vivo:** n/a

### Reference:

1. Xu Y, et al. Revealing a core signaling regulatory mechanism for pluripotent stem cell survival and self-renewal by small molecules. (2010) PNAS 107(18): 8129-8134.

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