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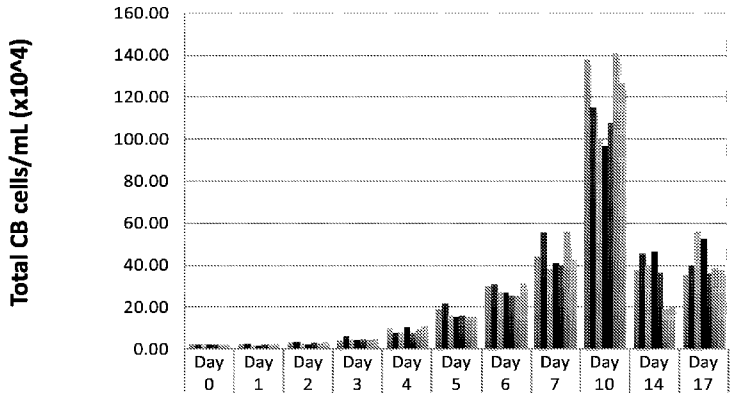
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(54) Title: USE OF TELOMERASE INHIBITORS FOR THE TREATMENT OF MYELOPROLIFERATIVE DISORDERS AND MYELOPROLIFERATIVE NEOPLASMS

(57) Abstract: Provided herein are methods for reducing neoplastic progenitor cell proliferation and alleviating symptoms associated in individuals diagnosed with or thought to have myeloproliferative disorders, such as Essential Thrombocythemia (ET). Also provided herein are methods for using telomerase inhibitors for maintaining blood platelet counts at relatively normal ranges in the blood of individuals diagnosed with or suspected of having myeloproliferative disorders, such as ET.

Figure 1

A



	Day 0	Day 1	Day 2	Day 3	Day 4	Day 5	Day 6	Day 7	Day 10	Day 14	Day 17
Imetelstat 0.9 uM	2.00	2.00	3.11	3.89	9.89	18.78	29.75	44.33	138.0	37.67	35.30
Imetelstat 1.875 uM	2.00	2.67	3.22	6.00	7.44	21.56	30.75	55.50	115.0	45.67	39.70
Imetelstat 3.75 uM	2.00	1.56	2.56	5.00	8.11	16.44	27.00	38.33	101.0	39.67	56.00
Imetelstat 7.5 uM	2.00	1.44	2.00	4.56	10.44	15.44	26.75	41.00	96.50	46.33	52.30
Imetelstat 15 uM	2.00	1.89	3.00	4.78	7.56	15.56	25.20	39.33	107.5	36.33	35.70
Standard Control	2.00	2.00	2.44	4.33	9.22	15.33	25.33	56.00	141.0	18.83	38.70
Solvent Control	2.00	2.56	3.33	4.67	11.22	15.33	31.25	42.33	127.0	20.00	37.70

WO 2014/088785 A8

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