

Leucovorin Calcium; Calcium Folate

【IFOL】Folina[®] 50mg/5mL/Amp

ATC Code : V03AF03

【IFOL1】Folina[®] 50mg/5mL/Amp

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中文名： 芙琳亞注射液 «臺灣東洋»

適應症： 葉酸拮抗劑(如 Methotrexate)過量之解毒劑。

成分： Each mL contains: Leucovorin Calcium 10mg

【OFOLN】Folina[®] 15mg/Tab

ATC Code : V03AF03

中文名： 芙琳亞錠 «東洋»

適應症： 超量使用葉酸拮抗劑時，消滅其毒性及抵消其作用、治療因斯潑盧(sprue)營養缺乏、妊娠及其幼齡等引起之巨初紅血球性貧血。

成分： Each tablet contains: Calcium Folate 15mg

藥理分類： **Antidote; Chemotherapy Modulating Agent; Rescue Agent (Chemotherapy); Vitamin, Water Soluble.**

作用機轉： 1. Leucovorin calcium is a **reduced** form of folic acid, leucovorin supplies the necessary cofactor blocked by methotrexate. Leucovorin actively competes with methotrexate for transport sites, displaces methotrexate from intracellular binding sites, and restores active folate stores required for DNA/RNA synthesis.
2. Leucovorin stabilizes the binding of 5-dUMP and thymidylate synthetase, **enhancing the activity of fluorouracil.**

用法用量： **Administration:**

Tablet: Oral. Do not administer orally in the presence of nausea or vomiting.

Because oral absorption is saturable at doses above 25 mg, administering oral doses >25 mg is not recommended (convert to parenteral therapy).

Parenteral: IV, IM. Due to calcium content, do not administer IV solutions at a rate >160 mg/minute; not intended for intrathecal use.

Indications and dosage regimens:

Colorectal cancer: (in combination with 5-fluorouracil)

—Leucovorin 200 mg/m² by slow IV (over 3 mins) followed by 5-FU 370 mg/m²

—Alternatively, Leucovorin 20 mg/m² followed by 5-FU 425 mg/m². Either regimen is given daily for 5 days. The treatment course may be repeated every 28 days (4 wk intervals) for 2 courses, and then repeated at 4- to 5- wks intervals depending on patient tolerability.

Leucovorin Rescue after high-dose MTX therapy:

IM/IV/PO 15 mg (10 mg/m²) Q6h begin within 24 hr of methotrexate (MTX) administration, until the MTX level < 1 × 10⁻⁸M.

If 24 hr following MTX administration, the patient's SCr has increased ≥ 50% than prior to MTX or the MTX level ≥ 5 × 10⁻⁶M or 48 hr following MTX administration the MTX level ≥ 9 × 10⁻⁷M.

Folina[®] dosage should be increased immediately to 100 mg/m² Q3h until the MTX level < 1 × 10⁻⁸M.

Megaloblastic anemia, folate-deficient:

IM/IV: up to 1 mg daily.

Folate-deficient:

Children <12 yr: PO, 0.25mg/kg/day.

Adult: PO, 10-20mg daily, usually, 15mg daily.

不良反應： 過敏性反應、蕁麻疹。

注意事項： 1、本劑不適用於治療因 Vitamin B₁₂ 缺乏所引起之惡性貧血。
2、治療因葉酸拮抗劑（如 methotrexate）超量時，本劑應儘快使用，因兩者使用時間如間隔越久，則本劑抵消其血液毒性之作用越弱。

注射劑調配

與安定性： 1.Leucovorin calcium 10mg/ml 以下列注射溶液稀釋至 0.06mg/ml 及 1mg/ml，可穩定 24 小時： Lactated Ringer's injection； Ringer's injection； Dextrose 10% in Water for injection； Dextrose 5% in Water for injection； Sodium Chloride 0.9% injection；
2.Leucovorin calcium 10mg/ml 以 Dextrose 10% in saline 稀釋至 1mg/ml，可穩定 24 小時。
3.使用過後剩餘部份應丟棄。

懷 孕 期： 1.只有當懷孕婦女明確必要服用葉酸時，才可使用。尚無 Leucovorin 的動物生殖研究，Leucovorin 是否對懷孕婦女有致命傷害或影響生殖能力尚不得而知。
2.將分娩的孕婦於懷孕期結束前，不應開始使用 Leucovorin 治療。如果在服藥過程中懷孕，應充分告知此藥對胎兒可能發生的嚴重危險。

授 乳 期： 1.此藥是否分泌於母乳中尚無法確定，由於許多藥品分泌於母乳中，當餵母乳的母親使用 Leucovorin 時，應特別小心。
2. Leucovorin is a biologically active form of folic acid. Adequate amounts of folic acid are recommended in breastfeeding women.
3.The manufacturer recommends caution be used if administered to a breastfeeding female.