# Top 50 Descriptors for PKM2 and ERK2

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| Rank | PKM2 Descriptor | ERK2 Descriptor |
| 1 | qed | VSA\_EState1 |
| 2 | BalabanJ | MinAbsEStateIndex |
| 3 | BCUT2D\_MWLOW | TPSA |
| 4 | AvgIpc | MolLogP |
| 5 | PEOE\_VSA5 | EState\_VSA4 |
| 6 | VSA\_EState1 | BCUT2D\_MRLOW |
| 7 | BertzCT | BertzCT |
| 8 | MolWt | VSA\_EState2 |
| 9 | SMR\_VSA7 | AvgIpc |
| 10 | EState\_VSA6 | MinPartialCharge |
| 11 | VSA\_EState9 | EState\_VSA2 |
| 12 | BCUT2D\_MRLOW | BalabanJ |
| 13 | TPSA | PEOE\_VSA9 |
| 14 | VSA\_EState2 | FpDensityMorgan1 |
| 15 | MinEStateIndex | SMR\_VSA5 |
| 16 | SMR\_VSA3 | BCUT2D\_LOGPHI |
| 17 | SlogP\_VSA6 | VSA\_EState6 |
| 18 | SlogP\_VSA3 | SMR\_VSA6 |
| 19 | EState\_VSA3 | SMR\_VSA7 |
| 20 | PEOE\_VSA13 | MaxAbsEStateIndex |
| 21 | BCUT2D\_MRHI | SlogP\_VSA6 |
| 22 | SlogP\_VSA1 | FpDensityMorgan2 |
| 23 | PEOE\_VSA1 | SlogP\_VSA5 |
| 24 | fr\_NH0 | SlogP\_VSA8 |
| 25 | NumAromaticHeterocycles | FractionCSP3 |
| 26 | SMR\_VSA10 | HallKierAlpha |
| 27 | SMR\_VSA5 | EState\_VSA7 |
| 28 | SlogP\_VSA8 | fr\_ether |
| 29 | SlogP\_VSA5 | MolWt |
| 30 | PEOE\_VSA3 | SlogP\_VSA10 |
| 31 | BCUT2D\_MWHI | SlogP\_VSA3 |
| 32 | NumHAcceptors | PEOE\_VSA4 |
| 33 | NOCount | SMR\_VSA9 |
| 34 | fr\_sulfonamd | SlogP\_VSA11 |
| 35 | FractionCSP3 | fr\_methoxy |
| 36 | NumHeteroatoms | NumAromaticRings |
| 37 | SlogP\_VSA12 | fr\_amide |
| 38 | NumAromaticRings | fr\_aniline |
| 39 | fr\_furan | fr\_Ar\_NH |
| 40 | fr\_thiophene | fr\_C\_O |
| 41 | SlogP\_VSA10 | RingCount |
| 42 | fr\_thiazole | fr\_alkyl\_halide |
| 43 | RingCount | fr\_halogen |
| 44 | NumHDonors | NumAromaticCarbocycles |
| 45 | PEOE\_VSA14 | NumAromaticHeterocycles |
| 46 | NHOHCount | SlogP\_VSA12 |
| 47 | fr\_amide | fr\_thiazole |
| 48 | fr\_C\_O | fr\_ester |
| 49 | fr\_NH2 | fr\_COO |
| 50 | fr\_Ndealkylation2 | fr\_nitro |